### THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

### PLANS OF PROPOSED FEDERAL AID PRIMARY BRIDGE REPLACEMENT PROJECT

BRF-032-1(20) N.H. PROJECT NO. P-4366 N.H. ROUTE 302



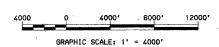
AVERAGE DAILY TRAFFIC 19 90 AVERAGE DAILY TRAFFIC 20 10 PERCENT OF TRUCKS DESIGN SPEED LENGTH OF PROJECT

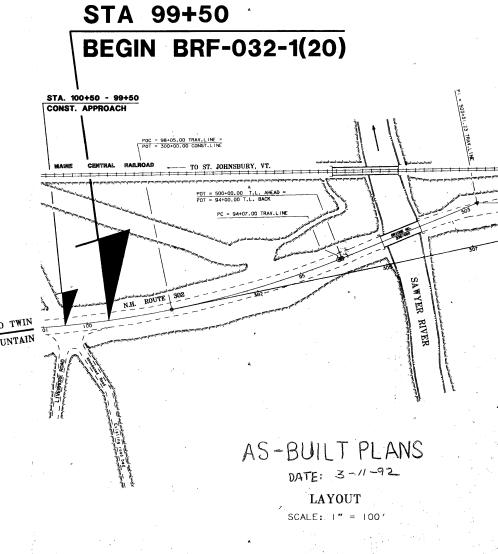
## BARTLETT

BRF-032-1(20)

LOCATION MAP

LOCATION





STA 317+50 END BRF-032-1(20)

U. S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION

TOWN OF HARTS LOCATION

COUNTY OF CARROLL

### INDEX OF SHEETS SHEET NO. DESCRIPTION TITLE PAGE INDEX OF SHEETS & GENERAL NOTES INDEX OF STANDARD SHEETS & CONSTRUCTION SIGN STANDARD SHEETS STANDARD SYMBOLS TYPICAL SECTIONS OF IMPROVEMENT 586 SUMMARY OF QUANTITIES (ROADWAY) SPECIAL USE PLANS: EROSION CONTROL DETAILS SPECIAL GUARDRAIL DETAILS PORTABLE CONCRETE BARRIER BRIDGE PLANS: 13-32 BRIDGE OVER THE SAWYER RIVER ROADWAY PLANS: 338 34 GENERAL PLANS 35 PROFILE U.S. ROUTE 302 368 37 DRAINAGE, GUARDRAIL, CURBING, PAVEMENT LAYOUT, AND PAVEMENT MARKING PLANS CROSS - SECTIONS: 38 - 45 U.S. ROUTE 302 THE FOLLOWING GENERAL NOTES WILL BE USED ON THIS PROJECT:

### GENERAL NOTES

- THIS PROJECT TO BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS DATED 1983 AND SUPPLEMENTAL SPECIFICATIONS, CURRENT STANDARD SHEETS AND SPECIAL PROVISIONS ATTACHED TO THE PROPOSAL.
- (2) ADJUSTING, ALTERING OR RELOCATING THE PROPERTY OF ANY PUBLIC UTILITY SHALL BE DONE BY THE OWNER, NOT A PART OF THIS CONTRACT. THE CONTRACTOR SHALL COOPERATE WITH THE OWNER IN THE PERFORMANCE OF THE WORK.
- 3 HIGH TENSION OVERHEAD TRANSMISSION LINES ARE LOCATED THROUGHOUT THE PROJECT WITH CROSSINGS AT VARIOUS LOCATIONS AND RUNNING ALONG THE ROAD THROUGHOUT THE PROJECT EVEN ON REGULAR POLES. THE CONTRACTOR IS ADVISED THAT EXTREME CAUTION WILL BE REQUIRED IN THE OPERATION OF EQUIPMENT, ESPECIALLY CRANES AND PILE DRIVING EQUIPMENT.
- 4 ALL EXISTING UTILITY POLES WILL BE RELOCATED BY OTHERS TO A MINIMUM OF \_\_\_ FEET FROM THE ROADWAY CENTERLINE.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. THE EXACT LOCATION SHOULD BE ESTABLISHED IN THE FIELD BY THE UTILITY COMPANY PRIOR TO ANY EXCAVATION OR POST DRIVING
- DRIVES SHALL BE REPLACED IN KIND EXCEPT AT THOSE LOCATIONS WHERE DRIVES HAVE BEEN STEEPENED TO THE EXTENT THAT A MORE STABLE SURFACE IS WARRANTED. ALL GRAVEL DRIVES TO RESIDENCES AND OTHER GRAVEL DRIVES WHEN ORDERED, SHALL BE CONSTRUCTED WITH A PAVED APRON ADJACENT TO THE SHOULDER.
- 7 TOPSOIL SHALL BE REMOVED FOR ITS TOTAL DEPTH WITHIN THE LIMITS OF THE SLOPE LINES. UNLESS OTHERWISE DIRECTED, THE TOPSOIL SHALL BE STOCKPILED AND USED IN ITS ENTIRETY UNDER SECTION 641 LOAM AND/OR SECTION 647 HUMUS.
- 8 UNSUITABLE MATERIAL, ROOTS AND STUMPS WITHIN THE LIMITS OF THE ROAD BED, SHALL BE REMOVED AS ORDERED.
- (9) MUCK SHALL BE REMOVED BY EXCAVATION UNDER ITEM (203.1), (203.4), OR BY DISPLACEMENT, AS ORDERED.
- THE SUBGRADE SHALL BE SCARIFIED TO ASSURE THAT ALL BOULDERS AND COBBLES OVER 6 INCHES ARE REMOVED WITHIN 36 INCHES OF FINISHED GRADE. THIS WORK AND RECOMPACTION OF THE SUBGRADE WILL BE PAID UNDER ITEM 212.1 SCARIFYING.
- (II) EXISTING LEDGE AND BOULDER OUTCROPS ARE TO BE REMOVED AND/OR BERMED AS SHOWN OR AS ORDERED.
- HUMUS SHALL BE APPLIED TO ALL EARTH SLOPES NOT LOAMED TO A NOMINAL DEPTH OF 3-1/2 INCHES (471 CY/ACRE), UNLESS OTHERWISE ORDERED.
- (13) ALL NEW EARTH SLOPES SHALL BE MULCHED.
- (14) THE SLOPES AROUND EXTENDED PIPES SHALL BE FLATTENED AND GRADED AS SHOWN OR ORDERED.
- ASPHALT SURFACE TREATMENT INCLUDING SAND COVER SHALL BE APPLIED TO THE TRAVELED WAY AS A PRIME COAT AT THE RATE OF 0.50 GALLONS PER SQUARE YARD IN ONE APPLICATION, OR AS ORDERED.
- (16) ASPHALT SURFACE TREATMENT INCLUDING SAND COVER SHALL BE APPLIED TO THE SHOULDER AS A PRIME COAT AT THE RATE OF 0.50 GALLONS PER SQUARE YARD IN ONE APPLICATION, OR AS ORDERED.

- (17) THE PAVEMENT OVERLAY SHALL BE WARPED TO MATCH EXISTING CATCH BASINS, DROP INLETS, AND/OR SIMILAR STRUCTURES.
- (IB) EXISTING CONCRETE PAVEMENT REMOVAL WILL BE PAID UNDER ITEM 203.2 ROCK EXCAVATION (\_\_\_C.Y./IOO.L.F.). THE BITUMINOUS PAVEMENT ABOVE THE CONCRETE WILL NOT BE PAID UNDER ITEM 203.2.
- 19) RESTORE SUPERELEVATION ON EXISTING CURVES BY THE USE OF A PAVEMENT LEVELING COURSE AS INDICATED ON PLANS OR AS ORDERED.
- 20) ALL CRACKS IN THE PAVEMENT MEASURING I/4 INCH OR MORE IN WIDTH, OR AS ORDERED,
  SHALL BE TREATED WITH CRACK FILLER WITHIN THE LIMITS DESIGNATED ON THE PLANS.
- (21) ADJUSTMENT OF CATCH BASINS AND DROP INLETS OR SIMILAR STRUCTURES TO THE NEW PAVEMENT GRADE SHALL BE DONE AS ORDERED. PAYMENT WILL BE UNDER ITEM 604.45 ADJUSTING CATCH BASIN AND DROP INLET GRATES AND FRAMES SET BY OTHERS.
- 22 EXISTING ANCHORS FOR CABLE GUARD RAIL SHALL BE DUG UP AND SALVAGED INTACT TO THE STATE.
- 23) ALL GUARD RAIL SHALL BE SET AT A 27 INCH RAIL HEIGHT BASED ON THE PAVEMENT OVERLAY, UNLESS OTHERWISE SHOWN OR ORDERED.
- (24) EXISTING DELINEATORS AND WITNESS MARKERS THAT ARE DISTURBED SHALL BE RESET.
  THIS WORK WILL BE SUBSIDIARY, ADDITIONAL DELINEATORS ORDERED WILL BE PAID
  UNDER APPROPRIATE ITEMS OF THE CONTRACT.
- 25) NO EXISTING MONUMENTS, BOUNDS, OR BENCHMARKS SHALL BE DISTURBED WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.
- 26 UNPROTECTED PROJECT MARKERS SHALL BE REMOVED OR SET BACK TO 30 FEET FROM THE TRAVELED WAY AS ORDERED. THIS WORK WILL BE SUBSIDIARY.
- (27) CLEARING AND GRUBBING ON THIS PROJECT WILL BE SUBSIDIARY:
- 28 ALL WORK ON THIS PROJECT, UNLESS OTHERWISE SHOWN ON THE PLANS OR ORDERED, SHALL BE CONSTRUCTED WITHIN THE EXISTING RIGHT OF -WAY.

(29	COORDINATES FOR THIS PROJECT ARE (	) AND THE BEARIN	G SHOWN AF
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STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION - BUREAU OF HIGHWAY DESIGN

INDEX OF SHEETS.
AND GENERAL NOTES

BRF-032-1(20) P-4366 2 45

	*			
<u> </u>		STANDARD SHEETS		· · · · · · · · · · · · · · · · · · ·
۴	STANDARD NO. I	CONCRETE AND M.R.M. HEADWALLS	REVISED	MARCH 24, 1977
	STANDARD NO. 1-A	CONCRETE AND M.R.M. HEADWALLS	REVISED	MAY 8, 1970
	STANDARD NO. 2	STEEL ARCH PIPES, SLOPE PAVING, UNDERDRAIN HEADWALL	REVISED	MARCH I, 1983
	STANDARD NO. 2-A	CORRUGATED ALUMINUM PIPE, PIPE ARCH, UNDERDRAIN FLUSHING BASIN	REVISED	DECEMBER 20, 1982
	STANDARD NO. 3	CATCH BASINS, DROP INLETS.	REVISED	OCTOBER 17, 1983
	STANDARD NO.3-A STANDARD NO.3-B	GRATES FOR C.B.'S & D.I.'S,	REVISED	OCTOBER 17, 1983
-	014,041,0	CATCH BASINS, DROP INLETS, TRAP	REVISED	OCTOBER 17, 1983
	STANDARD NO. 4	CURBING	REVISED	APRIL 31 ID93
			INEVISED	APRIL 21, 1982
	STANDARD NO. 5	CONCRETE BOUND, STEPS	REVISED	NOVEMBER I, 1984
-	STANDARD NO. 5-A	GUTTERS, SLUICE, SLOPES, MUCK EXCAVATION	REVISED	FEBRUARY 26, 1975
	, a			
	STANDARD NO. 6	BEAM GUARD RAIL	REVISED	JUNE 11, 1981
	STANDARD NO. 6-A	BEAM GUARD RAIL	REVISED	DECEMBER 10, 1981
		<u> </u>		
-	STANDARD NO. 7	BEAM GUARD RAIL	REVISED *	MAY 15,1985
			NEVIOLD	MAI 10,1900
	STANDARD NO.8	, 3 CABLE GUARD RAIL	REVISED	MARCH 24, 1977
	STANDARD NO. 8-A	3 CABLE GUARD RAIL	REVISED	DECEMBER 10, 1981
	STANDARD NO. 9	WOVEN WIRE & CHAIN LINK FENCE		
	STANDARD NO. 9-A	STEEL WITNESS MARKER, STEEL SIGN POST, DELINEATOR POST	REVISED	AUGUST 2, 1977
		MANUEL, OF LEE SIGN 1001, DELINEATOR FOST	REVISED	MAY 15,1985
	STANDARD NO. 10	SIGNAL BASE, PULL BOX, CONDUIT DETAILS, HANDHOLE, FOUND FOR CONT.	REVISED	MAY 15,1985
	STANDARD NO. 10-A	CABINET LENS FOR TURNING MOVEMENTS, LIGHT POLE BASE, DETECTORS, PULL BOX	REVISED	NOVEMBER 1, 1984
_			A	
	STANDARD NO. H	END SECTIONS FOR PIPES	REVISED	MAY 21, 1975
	STANDARD NO. 12	DELINEATORS FOR SUMPLEMENT		V.
	STANDARD NO. 12-A	DELINEATORS FOR GUARD RAIL, MEDIAN BARRIERS DELINEATOR SPACING FOR RAMPS AND LOOPS	REVISED	MAY 15, 1985
_	1	STEELING STRONG FOR RAMPS AND LOOPS	REVISED	MAY 15,1985
	STANDARD NO. 13	URBAN MARKING AND SIGN POSTING.	REVISED	MARCH I, 1983
				***
	STANDARD NO. 14	RUBBISH CONTAINER, FIREPLACE, TABLE, SHELTER	REVISED	AUGUST , 1969
_	STANDARD NO IS	FIREDI AGE PRIVATE PRI		1
	STANDARD NO. 15	FIREPLACE, DRINKING FOUNTAIN, WATER PIPE DRAINS, PICNIC SITES	REVISED *	MARCH 24, 1977
-	STANDARD NO.16	SIDEWALK RAMPS, CONCRETE ISLAND BLOCKOUTS	DEVICES	
-		SIDEMALK MARIN S, CONCRETE ISLAND BLOCKOUTS	REVISED	MAY 15,1985

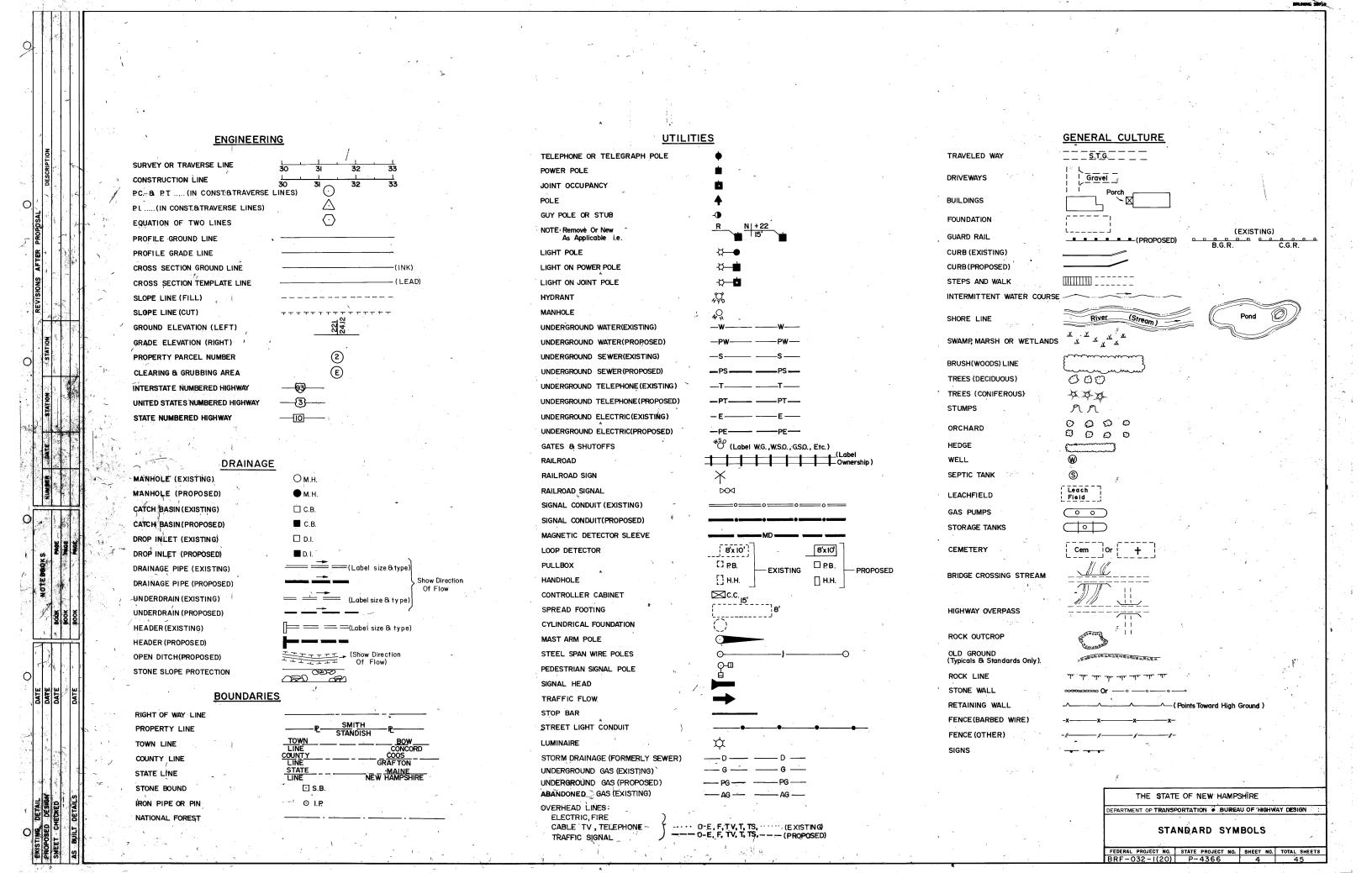
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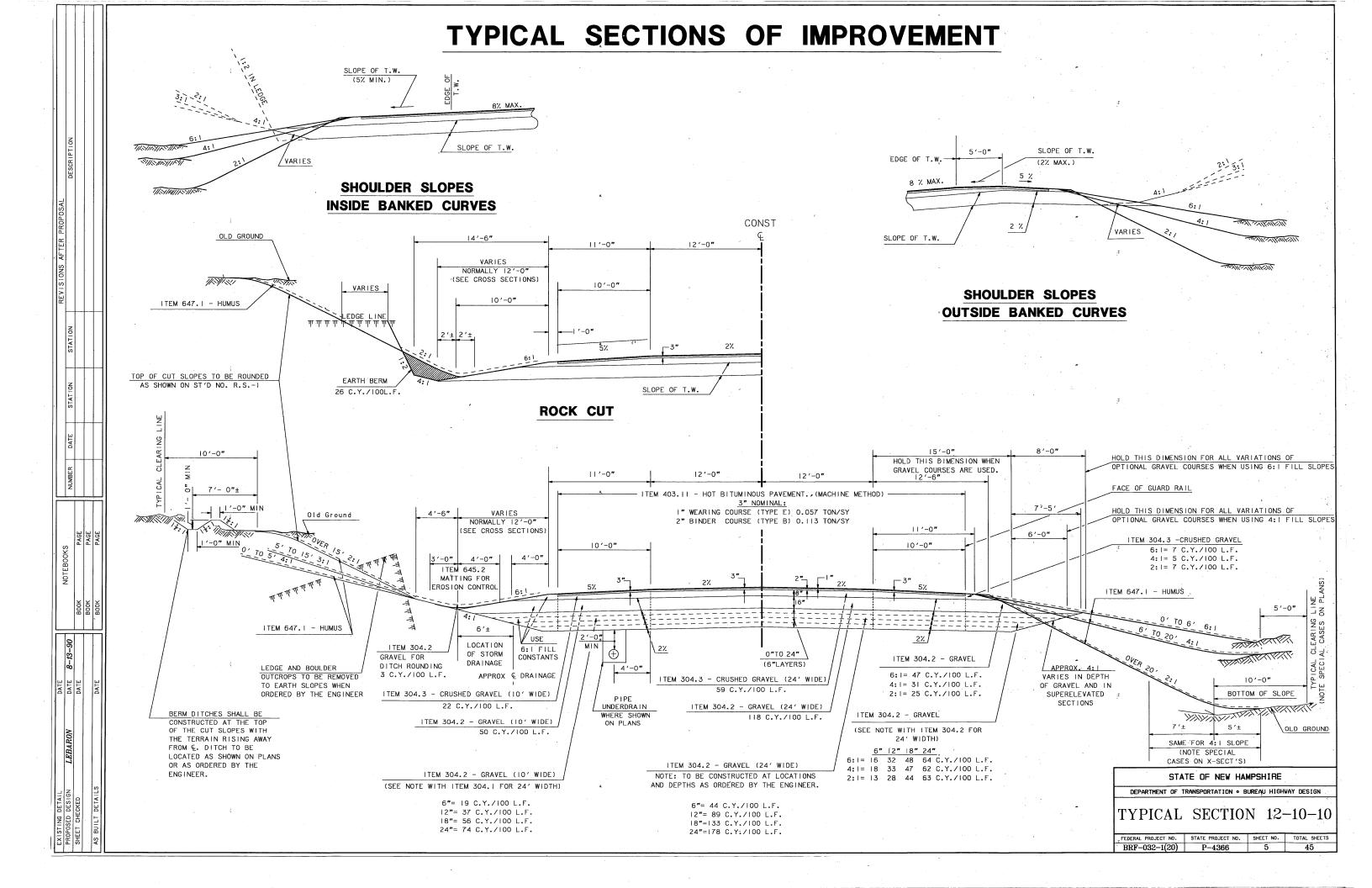
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cs	NO. I	GENERAL NOTES	REVISED	MAY 15, 1985
cs	NO. 2	BARRICADES, REMOVAL OF PAVEMENT MARKING, CONES, DRUMS	REVISED	MAY 15 , 1985
cs	. NO. 3	PANELS & DELINEATORS, LIGHTING DEVICES, SIGN PADDLE, HAZARD MARKER	REVISED	MAY 15 , 1985
CS	NO. 4	TRAFFIC CONTROL PROCEDURES, HAUL ROADS, BLASTING ZONES	REVISED	MAY 15 , 1985
cs	NO. 5	TYPICAL LAYOUT - PERMANENT CONSTRUCTION SIGNING	REVISED	MAY 15 , 1985
cs	NO. 6	SIGNS	REVISED	MARCH 1, 1983
cs	NO. 7	SIGNS	REVISED	MARCH I, 1983
cs	NO. 8	SIGNS	REVISED	MAY 15 , 1985
CS	NO. 9	TWO-WAY TRAFFIC LANE CLOSURE AND SHOULDER WORK	REVISED	MAY 15 , 1985
cs	NO. 10	2 LANE DIVIDED, 2 LANE CLOSURE - BREAKDOWN LANE	REVISED	MAY 15,4985
cs	NO. II	DETOUR FOR 2 LANE CLOSURE, 2 LANE DIVIDED - BRIDGEWORK	REVISED	MAY 15 , 1985
cs	NO. 12	4-LANE DIVIDED -2 LANE CLOSURE UTILIZING CROSSOVER	REVISED	MAY 15, 1985
cs	NO. 13	MULTI - LANE CLOSURE	REVISED	MAY 15, 1985

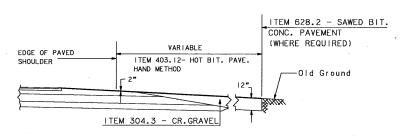
						SHEETS			THE FOLI		STRUCTION S		
2	3	3-A	3-B	;	5	5-A		- 1	1	2	3	4	5
			9-A	,		11	12		6	7	8	9	_ <b>-</b>
									11.				

STAT	E OF NEW HA	MDCHID	F .
DEPARTMENT OF TRANS	PORTATION - BUREAU OF	HIGHWAY DE	SIGN
	ANDARD SH	EETS	
FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEET
BRF - 032 - 1(20)	P-4366	37	45

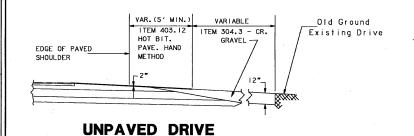




### TYPICAL SECTIONS OF IMPROVEMENT



### PAVED DRIVE



WIDTH OF PAVED SHOULDER (VARIES)

S' MIN.

R

S' MIN.

R

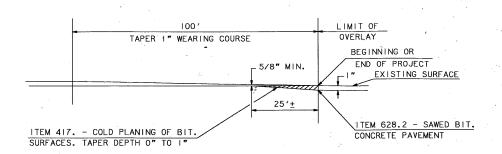
DRIVEWAY APRONS

W = DRIVE WIDTH (MATCH TO EXISTING)

R = RADIUS (SHOWN ON PAVEMENT LAYOUT PLANS)

### ATTENTION PROJECT ENGINEER

IT IS INTENDED THAT A PAVEMENT MATCH BE OBTAINED WITH THE EXISTING ROADWAY SURFACE ON EACH END OF THE PROJECT: STA. 100+50 AND STA. 318+50, N.H. ROUTE 302.

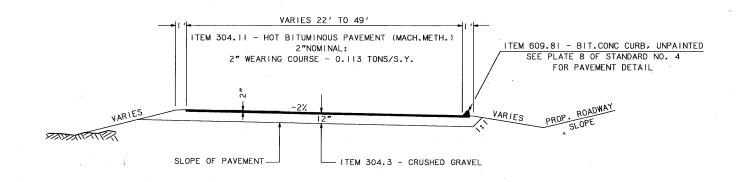


NOTE: THE LENGTH OF THE TAPER MAY BE ADJUSTED
AS ORDERED TO PROVIDE FOR VARYING FIELD
CONDITIONS OR CHANGES IN SINGLE COURSE DEPTH.

### PAVEMENT MATCH TYPICAL

Existing Road Bed

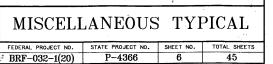
- ITEM 304.2 - GRAVEL



**PAVED PARKING AREA** 

### WINTER PARKING AREA

PARMITTE



# DATE DATE **9-12-90** DATE

### LANDSCAPING & SLOPE PROTECTION

ITEM NO.	642.	643.12	644.44	644.6	645.11	645.2	645.51	647.1
ITEM	LIME- STONE	FERTILIZER FOR INITIAL APPLICATION	SLOPE SEED TY.44	CROWN- VETCH	MULCH	FOR EROSION CONTROL	CONTROL	HUMUS
UNIT	TON	TON	LB.	LB.	AC.	S.Y.	EACH	C.Y.
LOCATION .	. 4							
		L						
				L				
SLOPE PROTECTION	6.6	1.44	198	7.2	3.3	100	100	1552
SUB-TOTAL	6.6	1.44	198	7.2	3.3	100	100	1552
ROUNDING	0.4	0.16	22	2.8	0.2			123
1,001,011,0	= = = =	t= = = = =	===	===:	<b>‡ ≘'</b> ≘ :	===	====	
TOTAL	7	1.6	220	10	3.5	100	100	1675

### FORCE ACCOUNT

STATE OF NEW HAMPSHIRE - PAVEMENT MARKING & SIGNING

### **WORK BY OTHERS**

UNDERGROUND UTILITY CABLE RELOCATION

### SUMMARY OF QUANTITIES (ESTIMATED) THIS INFORMATION IS FOR BIDDING PURPOSES ONLY

À		Gl	JARDR	AIL				
ITEM NO.	606,140	606,143	606.1465	606.417	606.821	606.86	SUBSID.	634.
ITEM	BEAM GUARD RAIL STD. SECTION (GR-140)	BEAM GUARD RAIL INCL. TERM.SECT. (GR-143)	BEAM GUARD RAIL TERM. UNIT TY.F-1 (GR-1465)	PORT.CONC. BARRIER FOR TRAFFIC CONTROL	REMOVING ANCH. FOR TERMINAL 'F' UNITS		REMOVAL OF EXIST. BEAM GUARD RAIL	BOULDERS FOR GUARD- RAIL
UNIT	L.F.	L.F.	UNIT	L.F.	EA.	EA.	L.F.	
LOCATION ROUTE 302 STA.302+56.5 - 304+69,RT.	138.34.37 <del>.5</del>			200-50 ∕ <b>€</b> 0				
STA.303+06.5 - 304+69,LT. STA.306+31 - 307+93.5,RT. STA.306+31 - 308+70,LT.	99.7.87.5 99.7.87.5 207.200	42.8_43-						
STA.304+30 - 304+35,LT. STA.306+65 - 306+85,LT.	20,200				2			
STA.304+30 - 305+00,LT. STA.305+85 - 306+85,LT.							140 175	
STA.2+97±,PAVED PARK.AREA	512.5	43	3	200	4		315	4
ROUNDING	37.5	7						44
TOTAL AS BULT TOTALS	5 22,4	<del>50</del> 428	3	200	4		315	8

### INCIDENTAL ITEMS

1			
ITEM NO.		UNIT	TOTA
214.	FINE GRADING	UNIT	
618.7	FLAGGERS	HOUR	750
619.1	MAINTENANCE OF TRAFFIC INCLUDING DUST LAYING	UNIT	T
621.21	REFLECTORIZED BGR DELINEATORS(WHITE)	EACH	16
621.31	SINGLE DELINEATORS WITH POST (WHITE)	EACH	22
622.1	STEEL WITNESS MARKERS	EACH	11
622.2	CONCRETE BOUNDS	EACH	15
692.	MOBILIZATION	UNIT	
698.12	FIELD OFFICE TYPE B	UNIT	I
698.2	PHYSICAL TESTING LABORATORY	UNIT	1
699.	TEMPORARY PROJECT WATER POLLUTION CONTROL	\$	-
1008.	ALTERATIONS AND ADDITIONS AS NEEDED	\$	1. 1
		1	1

### MATERIALS SALVAGED TO THE STATE

EXISTING PIPES	
EXISTING BEAM GUARDRAIL	
ANCHORAGES FOR BEAM GUARDRAIL	
	,

### SUBSIDIARY ITEMS

	CONSTRUCT WATERTIGHT CONNECTIONS BETWEEN EXISTING AND PROPOSED PIPES.
(	CONSTRUCT UL-4 HEADER
_	REMOVAL OF EXISTING BEAM GUARDRAIL
	REMOVAL OF EXISTING PIPES WHEN IN PROPOSED PIPE TRENCH

NOTE: THIS SUMMARY SHOULD NOT BE CONSIDERED A COMPLETE LIST OF SUBSIDIARY WORK PRESENT IN THIS PROJECT. REFER ALSO TO THE PLANS, PROPOSAL, SPECIAL PROVISIONS, AND STANDARD SPECIFICATIONS.

### **CONSTRUCTION SIGNS & WARNING DEVICES**

	(MINIMUM RE	QUIREMEN	NTS)				
	ITEM NO. 619.2		то	TAL UNIT	= 1		
SIGN NO.	DESCRIPTION	SIZE	SQ.FT.	NO.REQ.	TOT.AREA	POSTS	EASEL
G20-2	END CONSTRUCTION	3x6	18	2	36	4	
WI-3L	REVERSE TURN LEFT (90 DEG.ARROW)	4x4	16	2	32	4	
W1−3R	REVERSE TURN RIGHT (90 DEG.ARROW)	4×4	16	2	32	4	
WI-8	CHEVRON	2x2.5	5	10	50	10	
W13-1	30 MPH	2x2	4	2	8	44	
W20-1a	ROAD (BRIDGE) CONSTRUCTION AHEAD	4×4	16	2	32	4	
W20-le	ROAD (BRIDGE) CONSTRUCTION & MILE	4x4	16	2	32	4	
W20-1f	ROAD (BRIDGE) CONSTRUCTION   MILE	4×4	16	2	32	4	

ITEM NO.	619.41	619.51	619.91	632.0104	632.0304	632.0504	632.08
ITEM	SHORT TERM PAVE.MARK. TAPE, ALLUM. FOIL	SHORT TERM PAVE.MARK. TAPE,60 MIL. REMOVABLE	REMOVAL	REFL.PAINT PAVE.MARK. SINGLE SOLID LINE 4"	REFL.PAINT PAVE.MARK. DOUBLE SOLID LINE 4"	REFL.PAINT PAVE.MARK. DOUBLE LINE 4" (W/BROKEN LINE)	REFL.PAINT PAVE.MARK. SINGLE LEGEND (HANDICAPPED SY.)
UNIT ^	LF .	LF	LF.	LF	LF	LF	EA.
STA.99+50 - 317+50,LT.& RT.	500	2500	5000	3800	1250	650	
TA.306+30 - 309+00,LT. (PARKING AREA)				270			
UB-TOTAL OUNDING	500	2500	4000	4070 280	1250 50	650 50	
OTAL .	500	2500	4000	4350	1300	700	

### SURFACING MATERIALS

**EARTHWORK** 

376 400

13454

13037

6612 7000

SUB-TOTAL

TOPSOIL REMOVED FOR USE AS LOAM OR HUMUS (EST)

INSUITABLE EXCAVATION (EST)

OULDERS IN SECTIONS (2 CY) EXPANDED 20%.
OULDERS, ETC.
OCK STRUCTURE EXCAVATION

203.2 TOTAL ROCK EXCAVATION

FILL BEFORE EXPANSION
SHRINKAGE FACTOR (0%)
EXPANDED FILL
COMMON EXCAVATION FOR FILL

SUB-TOTAL BORROW 15% INPLACE MEASURED QUANTITIES

	ITEM NO.	304.2	304.3	304.35	403.11	403.12	417.	628.2
	ITEM	GRAVEL	CRUSHED GRAVEL	UNPAVED DRIVES	PAVEMENT (MACHINE METHOD)	HOT BIT. PAVEMENT (HAND METHOD)	COLD PLANNING OF BIT. SURFACES	SAVED BITUMINOUS CONCRETE PAVEMENT
	UNIT	C.Y.	C.Y.	C.Y.	TON	TON	S.Y.	L.F.
	LOCATION							-
	ROUTE 302	5332	2037		1488		178	64
	PAVED PARK.AREA		488		128			
	DRIVES			25		3		
	WINTER PARK AREA	250						
	SUB-TOTAL ROUNDING	5582 418	2525 225	25 .5	1616	3	178 12	64 6
•	RUUNUTING	= = =	= = = =		134		=='==	====
	TOTAL	6000	2750	30	1750	5	190	70

## **DRAINAGE** 202.41 202.5 206.1 206.2 SUBSID. 585.3 603 604.11 604.242 605.906 REMOVAL REMOVAL REMOVAL COMMON ROCK MORTAR STONE .00215 .11012 .11015 .30115 .34112 .34115 .44912 CATCH DROP 6" PIPE OF EXIST. JOF CR'S. CENTRET. GENERAL CATCH DROP 12" CSP 15" R.C. STEEL END STEEL END 12" PIPE BASINS INLETS UNDERS

ITEM	PIPE 0"-	DI'S, AND	STRUCT.	STRUCT.	RUBBLE MASONRY	CLASS	2000 D	.064"	.0647	END SECT.	SECT. FOR	SECT. FOR	FOR SLOPE	TYPE	TYPE	DRAIN	REMARKS
	24" DIA.	MANHOLES	EXCAV.	EXCAV.	MASUNKT		I.S.E.		I.S.E.	I.S.E.	12"PIPE ISE	15"PIPE ISE	DRAIN. ISE	A		I.S.E.	, in the second of the second
UNIT																	
LOCATION																	
20.00 LT 701.00 DT			ļ	<b>-</b>		<u> </u>			ļ							<del>-200</del>	
99+00,LT 301+00,RT. 301+00,LT.& RT.	44	2 1/		332.5		├	14.85-		<u> </u>		<b>_</b>			- 2			2 CB-A'S LT.34' & RT.35'
301+00 - 303+00,LT.	44	' '		18.32.3		<del> </del>	00,00		- <del>200</del> -								CB-A @ 303+00,LT.48.5
301+00 - 303+00;E1;	h	<del> </del>		<b>†</b>		<b>-</b>	<u> </u>		-200		<del> </del>						CB A @ 3031007E114013
301+00 - 304+30,LT.	-275 220			-6													REMOVAL OF 50'x15"PIPE(SUBSID)
301+00 - 303+75,RT.				7.3	1/	-5-		-	197							<del>-290</del>	CONSTRUCT UL-4 HEADER (SUBSID)
303+00 - 305+00.LT.				18-8					<del>200</del>								
303+951 -304+00± RT				3.54		213											
304+75,LT.& RT.			15	-3-		+	- <del>90</del>				2		35-52		2		CONST.CLASS C STONE @ OUTLET,RT.
311+00.LT.&RT.			14	4.2		2	- <del>90</del> -	35		2+							REMOVAL OF EXIST. 37'x 15"PIPE (SUBSID)
315+84 - 316+22,RT.					ļ			-30-			2						CONST. CONN. TO EXIST. 15"CMP (SUBSID)
AUG TATU																400	CONST. INLET DITCH WITH CLASS C STONE
SUB-TOTAL	-319	2	29	31.3	<u> </u>	3.5	155	39-	<del>400</del>		4		4752	<u> </u>		490	REMOVE EXISTING HEADER, 3'LT.
ROUNDING	2+			-2.7		-4-5-	15		-30-				8				
TOTAL	-340-		35	-34		5	-170	4Fr	430		<del></del>					515-	NOTE:GRANULAR BACKFILL FOR UNDERDRAIN
AS BUILT TOTALS		<del>                                     </del>	1 33	402		2/,3			3295	=	1 44	*	82	. 3	2	49.5	SHALL CONFORM TO 209.2.1.1.2
	<u> </u>			700		1077	122, -				- 7	· · · · · · · · · · · · · · · · · · ·					

### CLEARING/GRUBBING

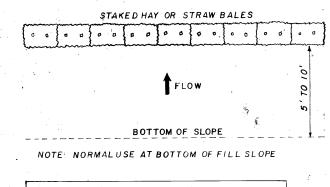
ITEM NO.		201.1
THE AREAS LISTED BELOW		CLEARING
are shown on the plans	14	AND
SHEETS BY LETTER ID'S	DSGNTD.	GRUBBING
UNIT	AREA	ACRE
LOCATION		
STA.99+40 - 305+20,LT.	A	60
STA.99+40 - 301+85,RT.	В	.17
STA.306+00 - 312+00,RT.	C	.72
STA.306+20 - 306+75,LT.	D	.01
STA,312+40 - 315+83,LT.	E	.27
STA.311+93 - 313+78,RT.		
	<u> </u>	.05
STA.313+95 - 317+78,RT.	G	.19
STA.316+20 - 317+85,LT.	H	.10
WINTER PARK, AREA	<del>  </del>	.15
SUB-TOTAL		.2.26
ROUNDING		: .24
	<u> </u>	
TOTAL	Ľ	2.50

### **CURBING**

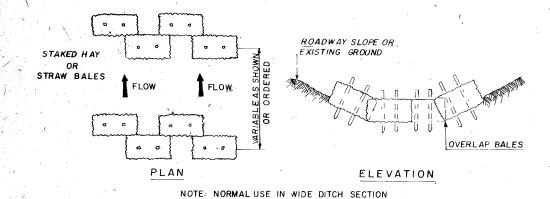
ITEM NO.	609.01	609.81
ITEM	STRAIGHT GRANITE CURB A	BIT.CONC. CURB, UNPAINTED
UNIT	L.F.	L.F.
LOCATION		
STA.304+00 - 304+66,LT. STA.304+00 - 304+66,RT.		66 66
STA. 304+66 - 305+00,LT.	34	
STA.304+66 - 305+00,RT.	34	
STA.306+00 - 306+34,LT	34	
STA.306+00 - 306+34,RT.	34	
STA.1+25-2+65,LT.PAVED PARK.AREA		137
SUB-TOTAL	136	269
ROUNDING	14	31
11001107110	====	====
TOTAL	150	300

"AS- BUILT TOTALS"

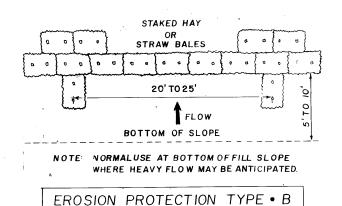
	FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
ı	BRF-032-1(20)	P-4366	7	45

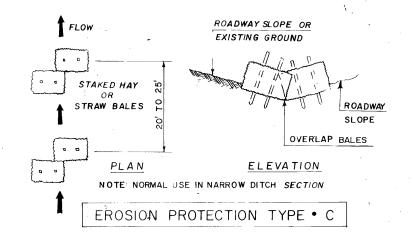


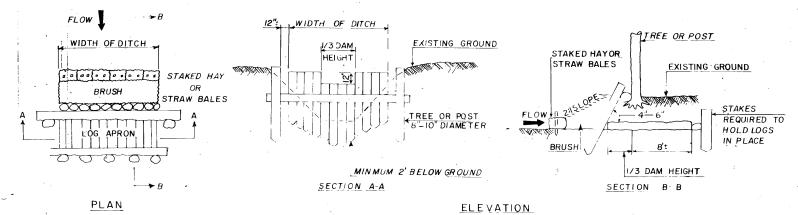




EROSION PROTECTION TYPE • D





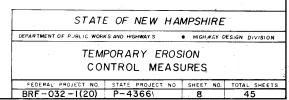


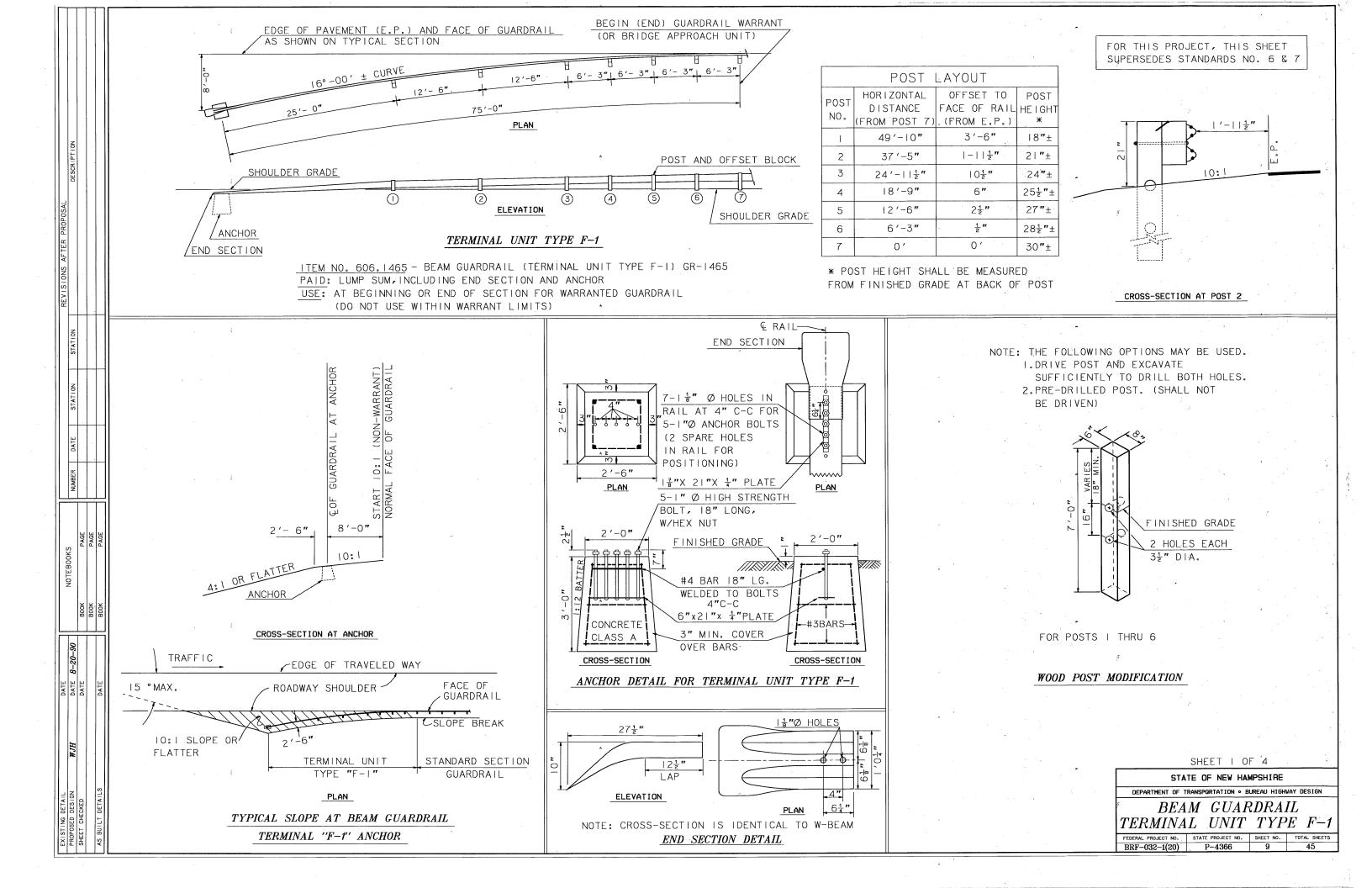
NOTE: NORMAL USE IN, OR JUST UPSTREAM OF WATER COURSE

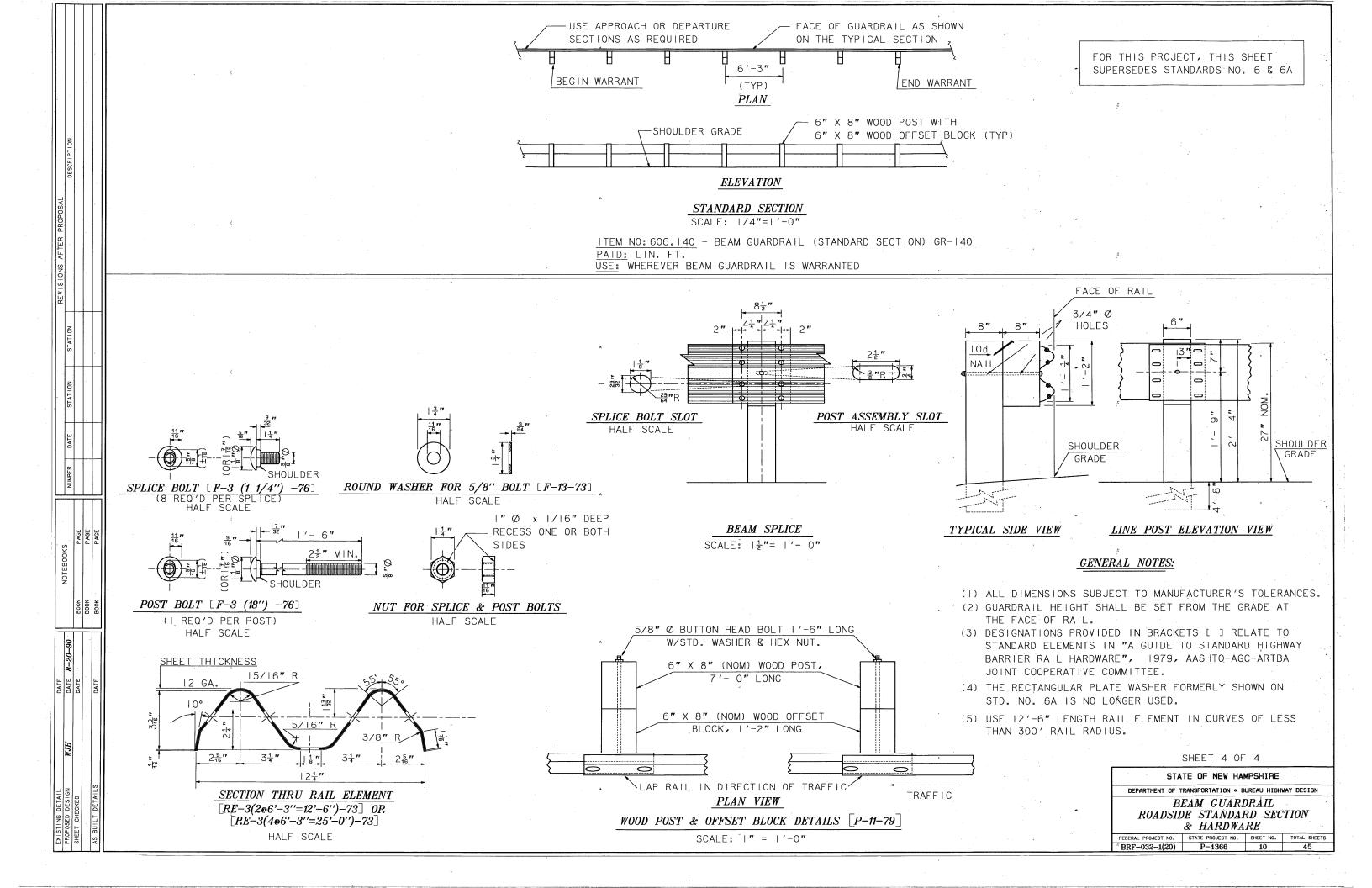
EROSION PROTECTION TYPE • E

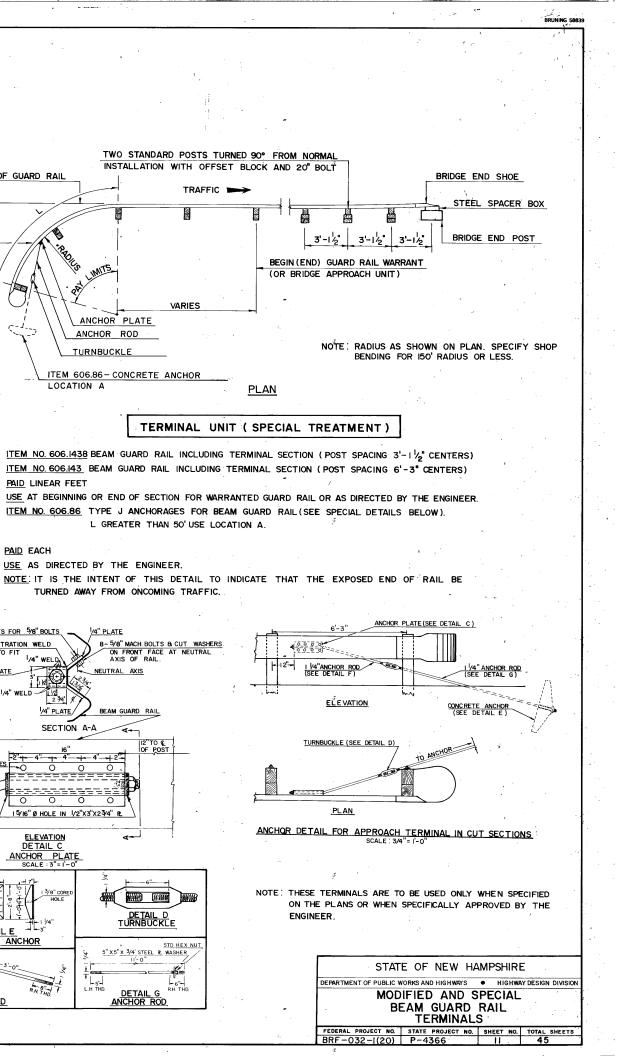
### GENERAL NOTES

- ( BALED HAY AND STRAW WILL BE PAID UNDER ITEM 645.51
- ② STAKES TO HOLD BALES SHALL BE 2" BY2" OR EQUIVALENT SAPLINGS AND SHALL BE LONG ENOUGH TO EXTEND I FOOT MINIMUM INTO THE GROUND. STAKE, LOGS, AND BRUSH WILL BE SUBSIDIARY
- BALES SHALL BE SET 3: INCHES BELOW GROUND SURFACE
  OR AS ORDERED. ANY REQUIRED EXCAVATION TO SET BALES
  WILL BE SUBSIDIARY.
- HAY BALES WILL BE ALLOWED TO ROT IN PLACE EXCEPT IN HIGHLY VISIBLE AREAS WHERE THE ENGINEER MAY ORDER REMOVAL AS SUBSIDIARY WORK









TWO STANDARD POSTS TURNED 90° FROM NORMAL INSTALLATION WITH OFFSET BLOCK AND 20" BOLT

<u>PLAN</u>

00000

ENGINEER.

ANCHOR PLATE ANCHOR ROD

ITEM 606.86 - CONCRETE ANCHOR

TURNED AWAY FROM ONCOMING TRAFFIC.

4" PLATE

SECTION A-A

15/16" Ø HOLE IN 1/2"X3"X23/4" R.

NEUTRAL AXIS

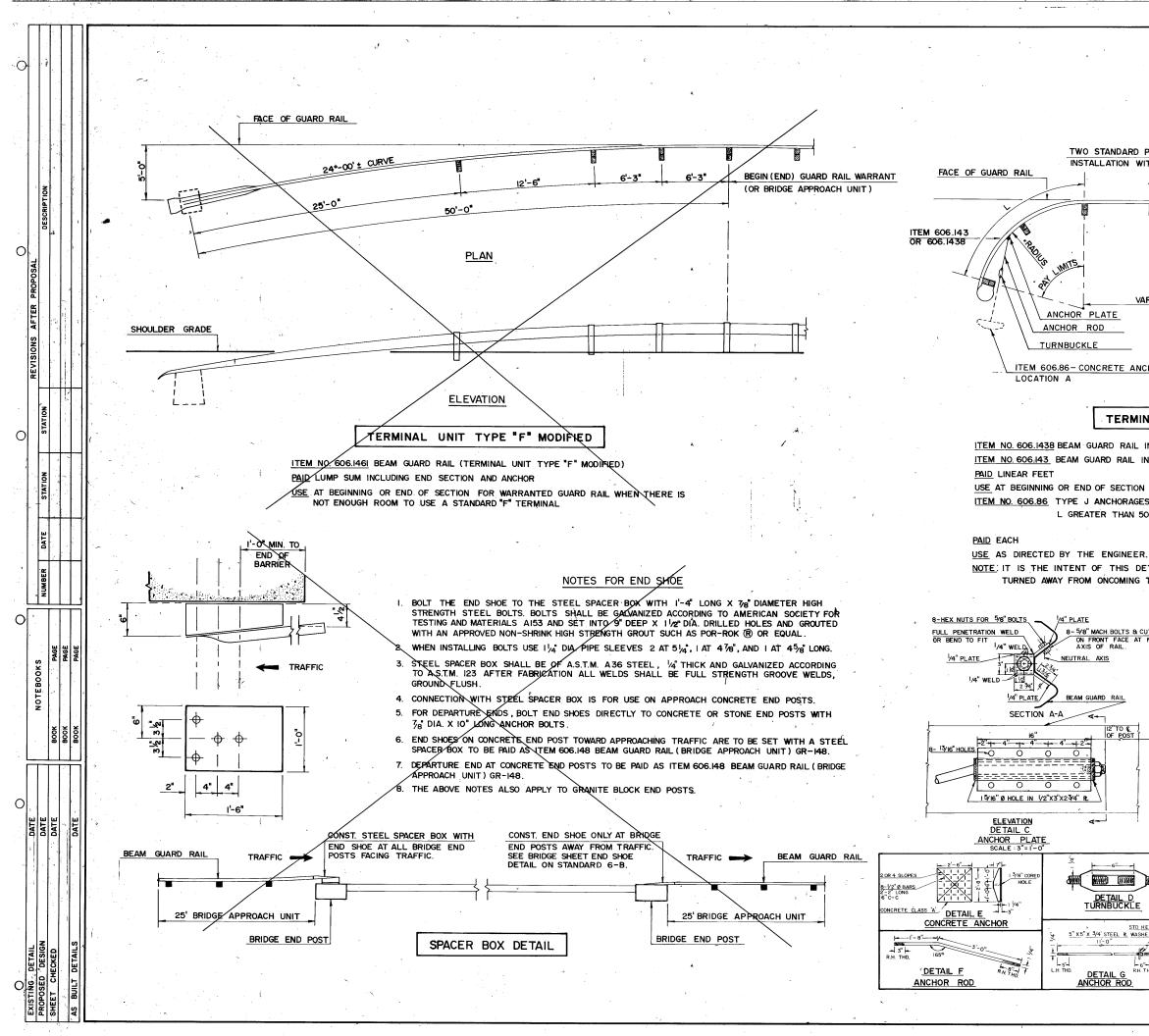
MININ CHIM

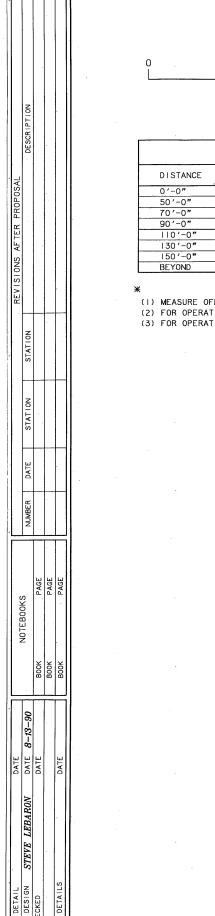
5" X5" X 3/4 STEEL R WASHER

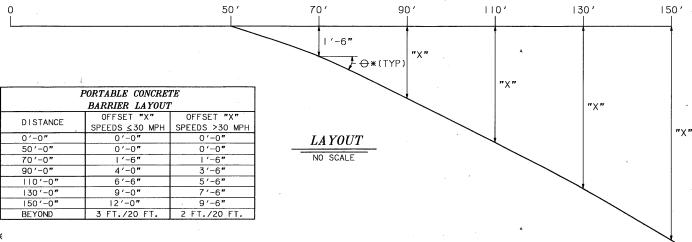
DETAIL G

L GREATER THAN 50' USE LOCATION A.

LOCATION A







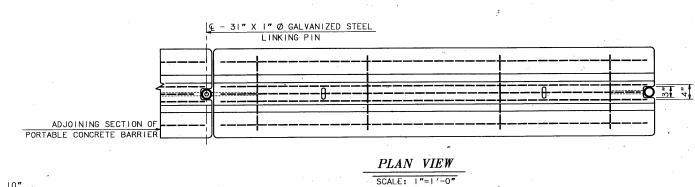
(I) MEASURE OFFSETS FROM LINE PARALLEL TO € ROADWAY.

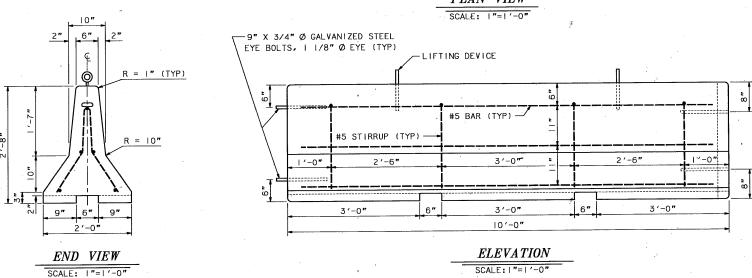
(2) FOR OPERATING SPEEDS:  $\geq$  50 MPH, MAX  $\Leftrightarrow$  = 5.7° (10:1 TAPER RATE) USE FOR SPEEDS > 30 MPH.

(3) FOR OPERATING SPEEDS: < 30 MPH, DESIRABLE → = 8.1° (7:1 TAPER RATE)

### LAYOUT NOTES FOR PORTABLE CONCRETE BARRIER

- (I) OFFSETS SHOWN IN THE ABOVE CHART ARE FROM A LINE PARALLEL TO THE ROADWAY CENTERLINE, WHETHER ON A CURVE OR TANGENT SECTION.
- (2) USE <u>\$30</u> MPH CHART VALUES FOR BARRIER LAYOUT.
- (3) CONCRETE BARRIER RAIL SHALL BE FURNISHED BY THE CONTRACTOR AND PAID AS ITEM 606.417, PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL.
- (4) THE CONTRACTOR SHALL FURNISH AND INSTALL APPROVED REFLECTIVE DELINEATORS AT 25 FOOT INTERVALS ALONG THE TRAFFIC FACE OF THE PORTABLE CONCRETE BARRIER. ALL COSTS SHALL BE INCLUDED IN ITEM 606.417.
- (5) TEMPORARY LIGHTS SHALL BE 250 WATT HIGH PRESSURE SODIUM LUMINAIRES WITH 40 FOOT MOUNTING HEIGHT, 12 FOOT BRACKET ARMS, AND AERIAL WIRING. PAY UNDER ITEM 1008.



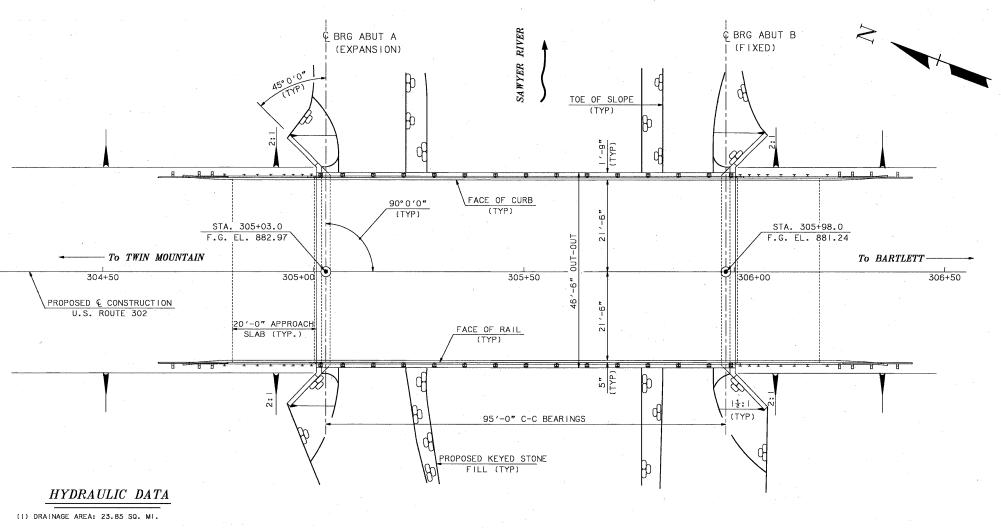


PORTABLE CONCRETE BARRIER DETAILS

PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL

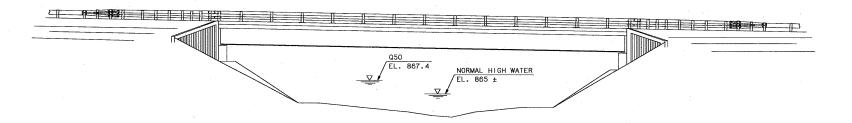
 FEDERAL PROJECT NO.
 STATE PROJECT NO.
 SHEET NO.
 TOTAL SHEETS

 BRF-032-1(20)
 P-4366
 12
 45



- (2) DESIGN FLOOD: Q50 = 7200 cfs EL. 867.4
- (3) DESIGN VELOCITY: 15.2 fps
- (4) BRIDGE WATERWAY OPENING: 460 SQ. FT. BELOW Q50 ELEVATION 867.4

PLAN



**ELEVATION** 

WINDOW NAME DRAWING NAME \*FGB FILE NAME SHEET SCALE TRACED CHECKED
GENPLAN GENPLAN BR-SITE.FGB 3/32"= 1'-0" QUANTITIES JCA 7/90 CHECKED

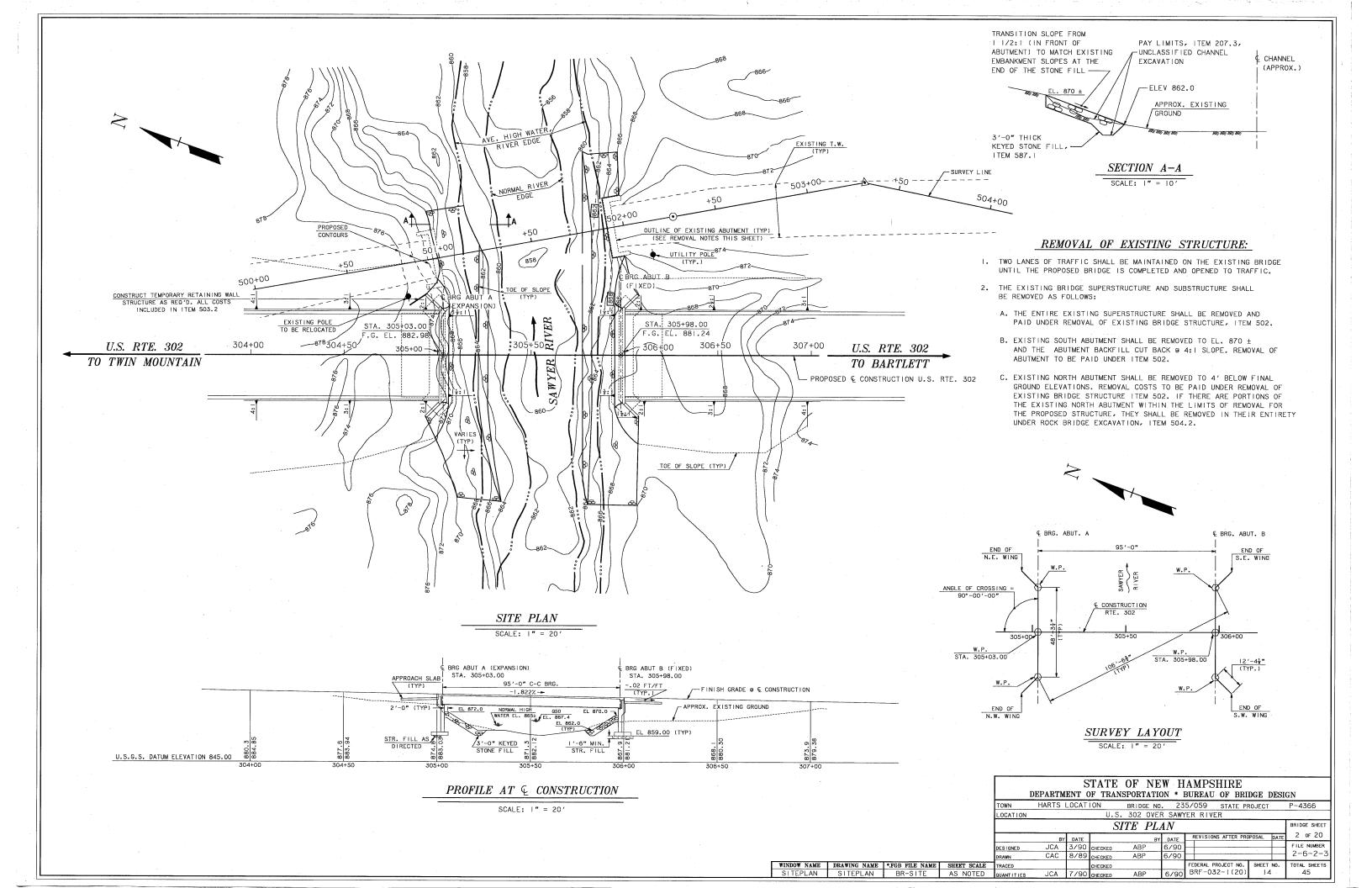
### GENERAL NOTES

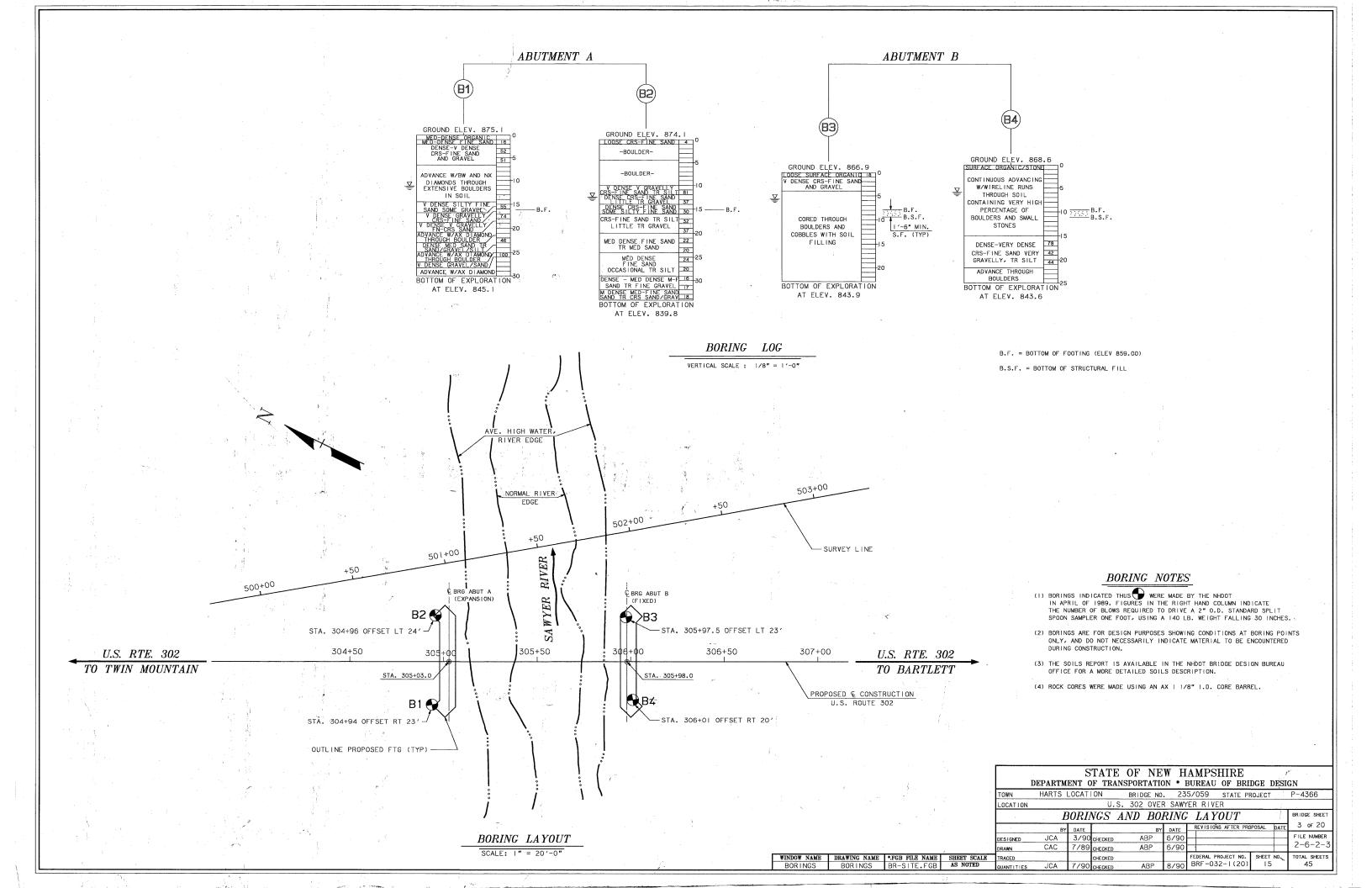
- (1) DESIGN LOADING: HS25-44 AS MODIFIED FOR 125% OF MILITARY LOADING.
- (2) SPECIFICATIONS: AASHTO 1989 WITH INTERIMS
  NHOOT 1983 STANDARD SPECIFICATIONS AS AMENDED
- (3) FOUNDATION DATA: ABUTMENTS A & B REINFORCED CONCRETE SPREAD FOOTINGS
  DESIGN FOUNDATION PRESSURE=3 TONS/SF
- (4) REINFORCING STEEL: AASHTO M31 (ASTM A615) GRADE 60
  DECK REINFORCING STEEL SHALL BE EPOXY COATED
- (5) STRUCTURAL STEEL: AASHTO M270 GR 50W (ASTM A709, GR 50W), UNPAINTED
- (6) CONCRETE: BRIDGE DECK & ABUTMENT BACKWALLS: f'c = 4,000 psi
  ABUTMENTS & FOOTINGS: f'c = 3,000 psi
- (7) UTILITIES (BY OTHERS):
  - 2 4" CONDUITS (TELEPHONE) ON UPSTREAM SIDE OF BRIDGE. I 4" CONDUIT (ELECTRICAL) ON UPSTREAM SIDE OF BRIDGE.
- (8) FOR SURVEY LAYOUT SEE BR. SHEET 2 OF 20.

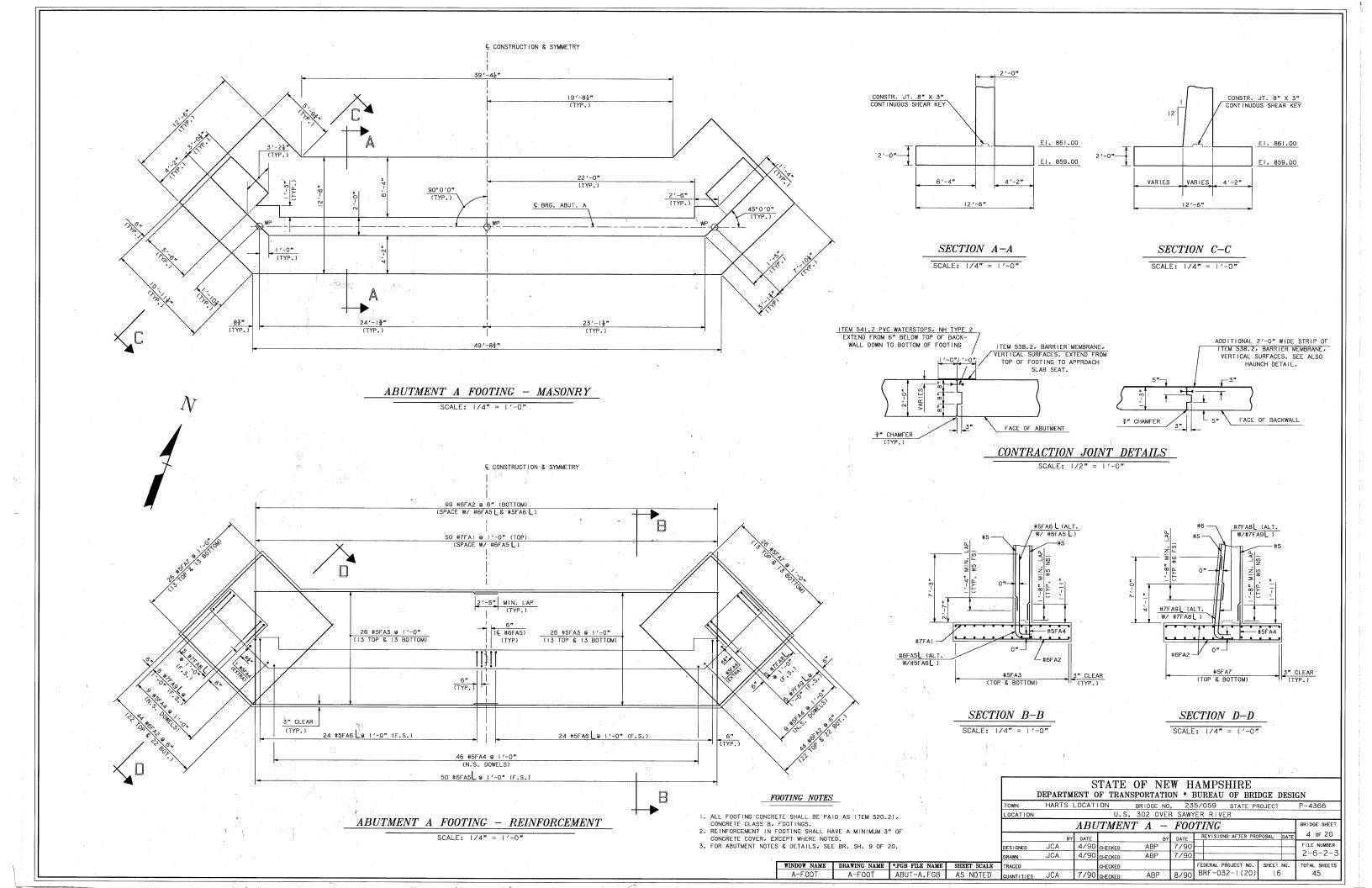
SL	IMMARY OF BRIDGE QUANTI	TIES	3
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT
207.3	UNCLASSIFIED CHANNEL EXCAVATION	650	CY
209.1	GRANULAR BACKFILL (BRIDGE)	700	CY
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, I" BASE COURSE.		
	WITH POLYESTER FIBER	27	TON
502.	REMOVAL OF EXISTING BRIDGE STRUCTURE	ı	U
503.2	COFFERDAMS		U
504.1	COMMON BRIDGE EXCAVATION	541	CY
504.2	ROCK BRIDGE EXCAVATION	180	- CY
508.	STRUCTURAL FILL	52	CY
520.12	CONCRETE CLASS A ABOVE FOOTINGS (EST. 194 CY)		Ų
520.13	CONCRETE CLASS A, APPROACH SLABS	65.2	. CY
520.21	CONCRETE CLASS B, FOOTINGS	109.3	CY
520.7	CONCRETE BRIDGE DECK (EST. 135 CY)	. 1	U
534.3	WATER REPELLENT (SILANE - SILOXANE)	14	GAL
537.	CONCRETE SEALER	20	GAL
538.1	BARRIER MEMBRANE	476	SY
538.2	BARRIER MEMBRANE, VERTICAL SURFACES	88	SY
541.2	PVC WATERSTOPS, NH TYPE 2	39	LF
541.5	PVC WATERSTOPS, NH TYPE 5	93	LF
544.	REINFORCING STEEL	41,098	LB
544.2	REINFORCING STEEL-EPOXY COATED	41.611	LB
547.	SHEAR CONNECTORS (1,350 TOTAL)		U
550.1	STRUCTURAL STEEL (EST. 132,000 LBS.)	I	Ü
550.2	BRIDGE SHOES	I	U
562.1	ELASTOMERIC SEALANT	65	CI
563.12	BRIDGE RAILING, ST	199	LF
565.12	BRIDGE APPROACH RAIL, ST	124	· LF
587.1	KEYED STONE FILL	887	CY
609.3	STRAIGHT GRANITE CURB (BRIDGE)	199	LF

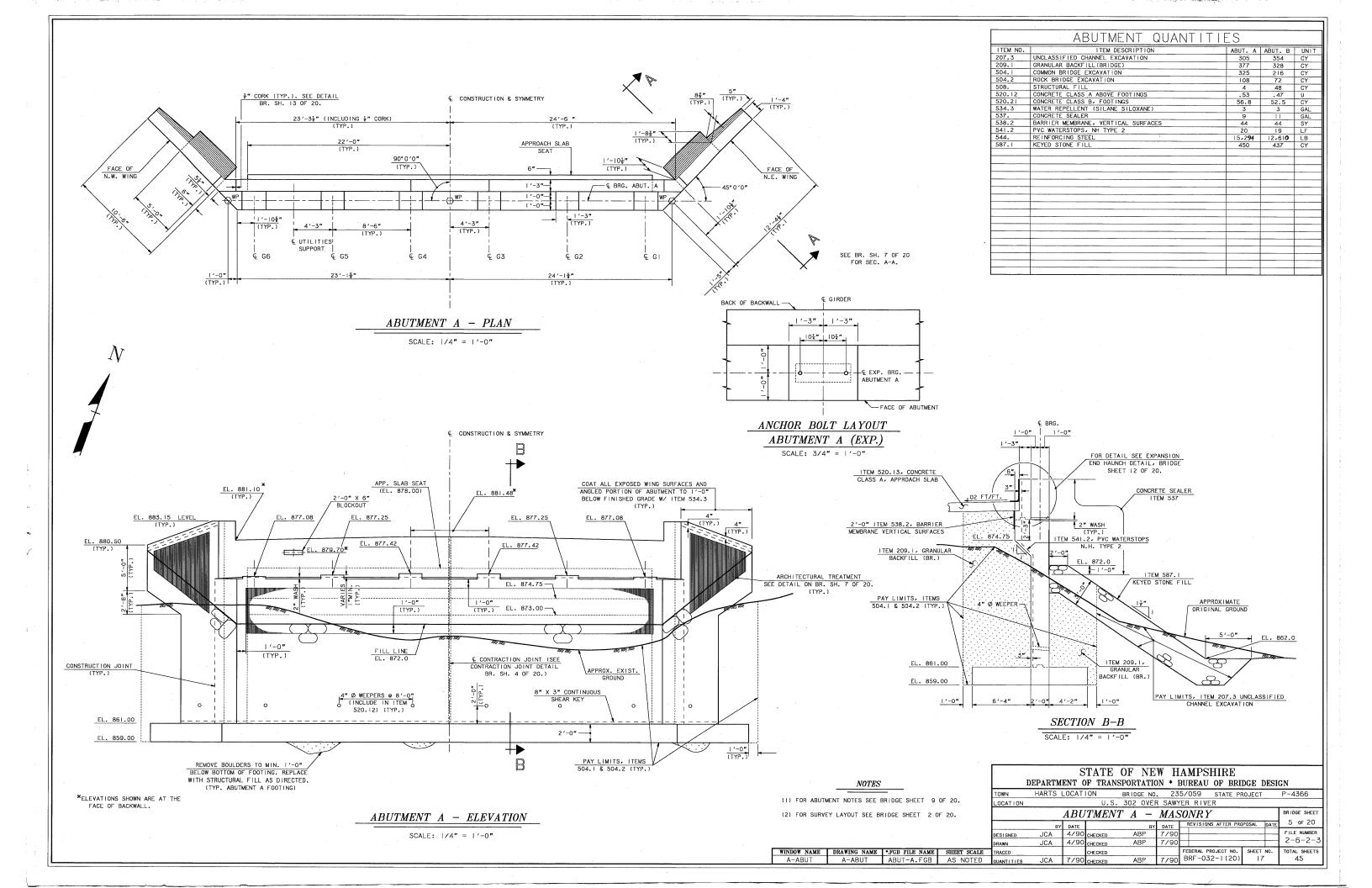
### STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION \* BUREAU OF BRIDGE DESIGN

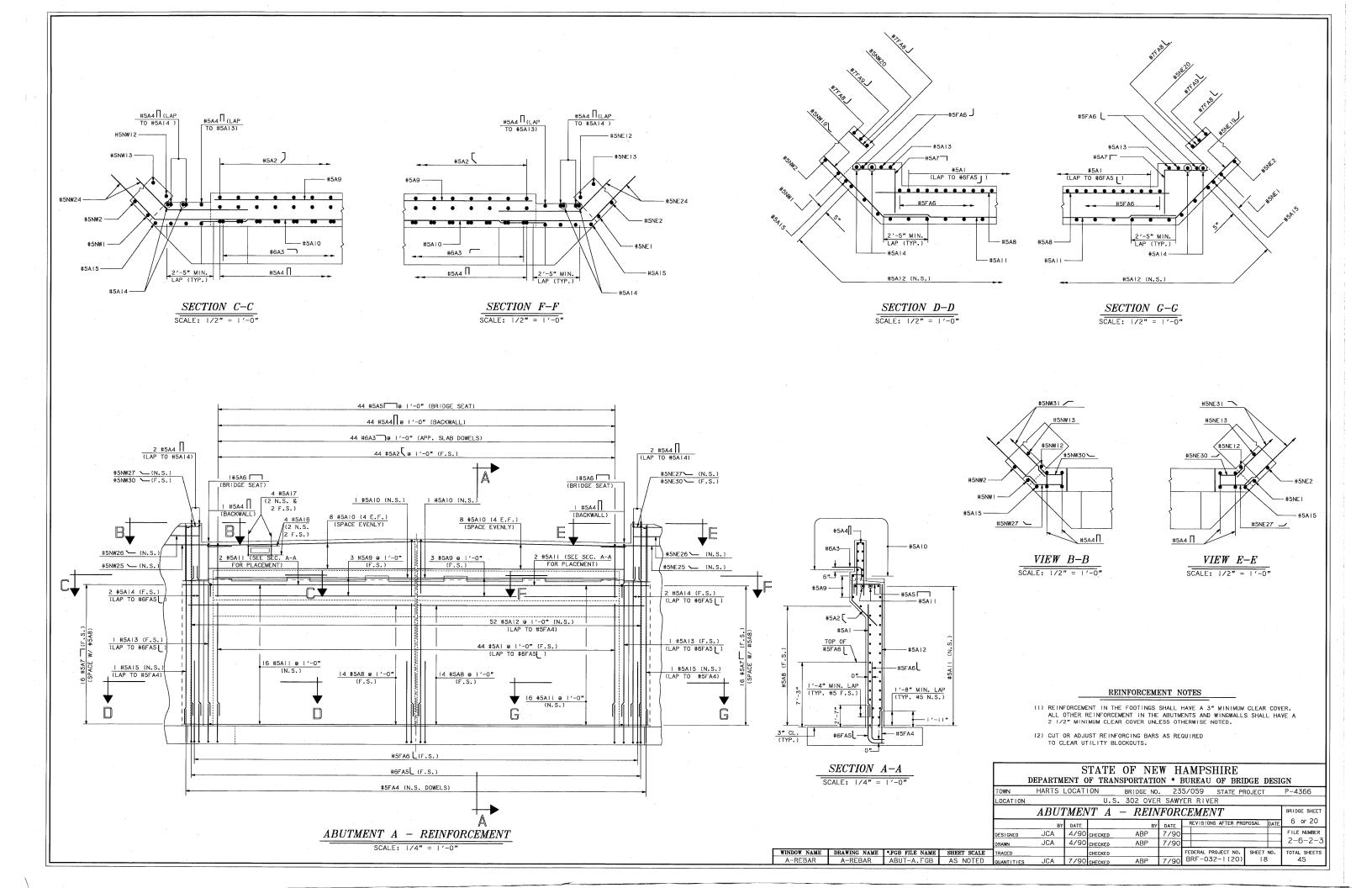
TOWN	HARTS	LOCAT	ION	BRIDGE NO	. 23	5/0	59	STATE	PROJECT		P-4366
LOCATION			U.	S. 302 OVER	RISAWY	/ER	RIVER	1			
	GENERAL PLAN AND ELEVATION										
	BY	DATE		BY	DATE	RE	VISIONS	AFTER I	PROPOSAL	DATE	1 of 20
DESIGNED	JCA	3/90	CHECKED	ABP	6/90	1				-	FILE NUMBER
DRAWN	TPL	2/89	CHECKED	ABP	6/90						2-6-2-3
TRACED			CHECKED				RAL PRO			NO.	TOTAL SHEETS
3	IC A	7 /00	I	400	0 (00	I BRI	F-032	-1(20	))]. [:	ζ	45

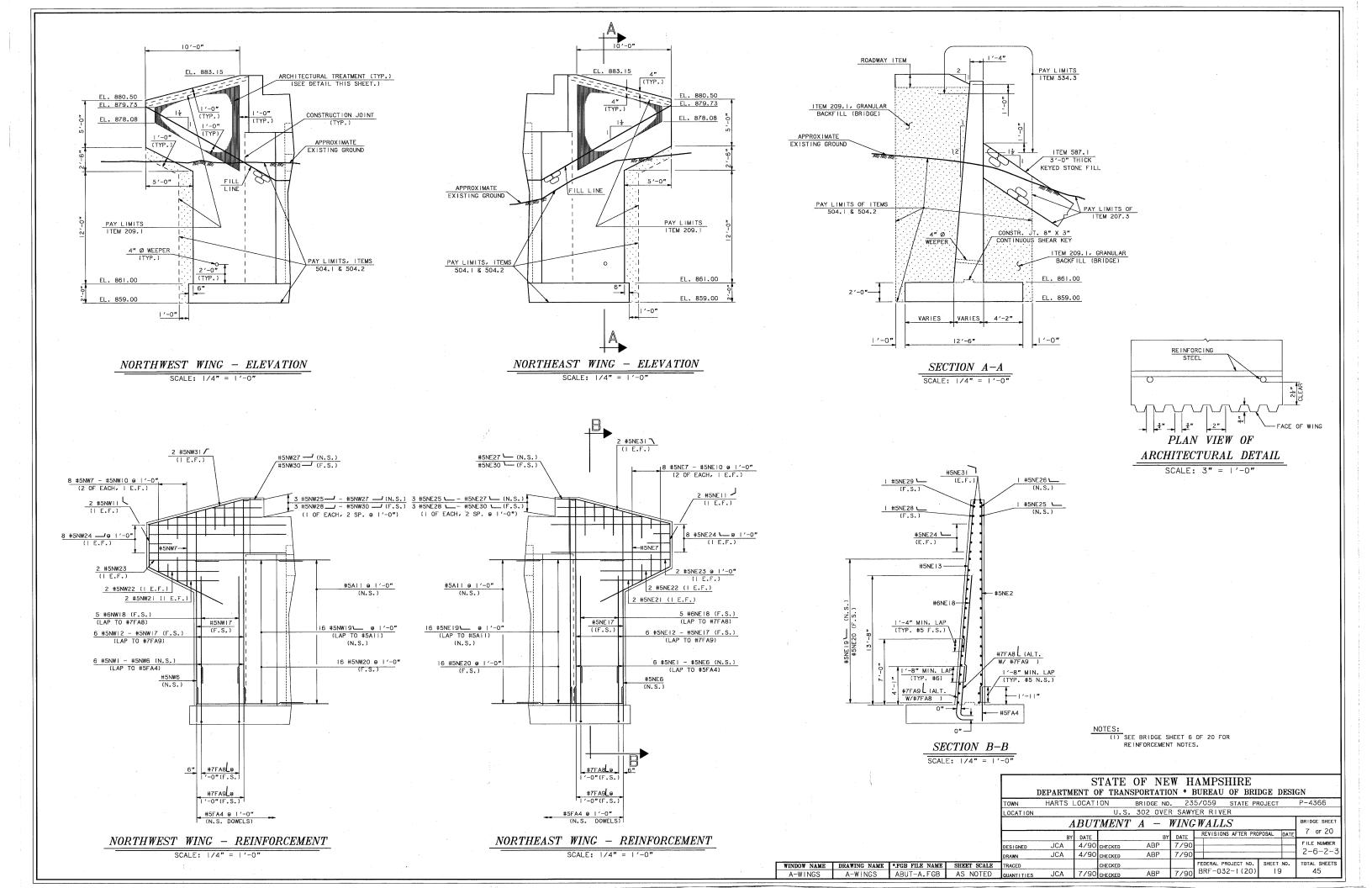


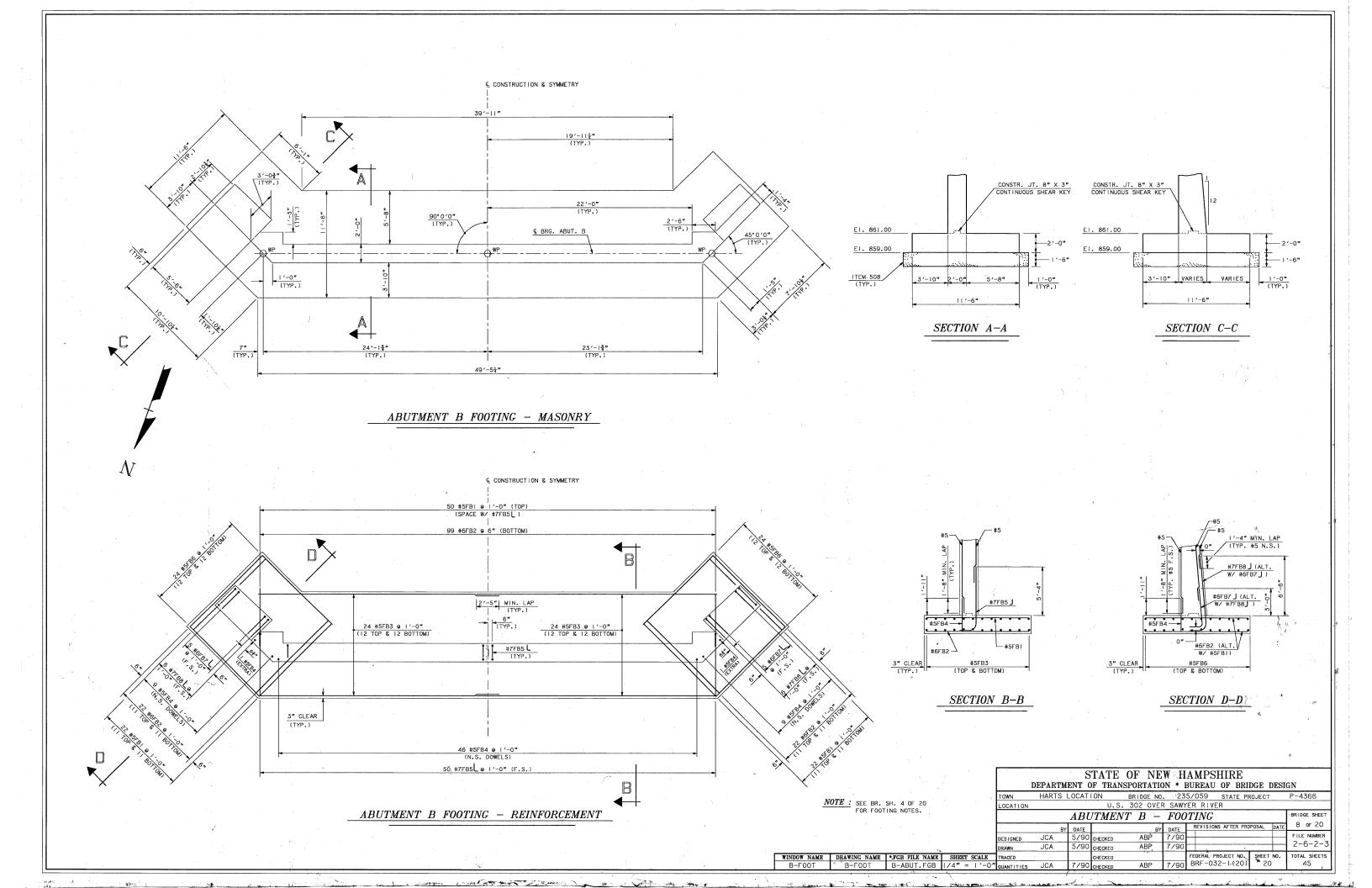


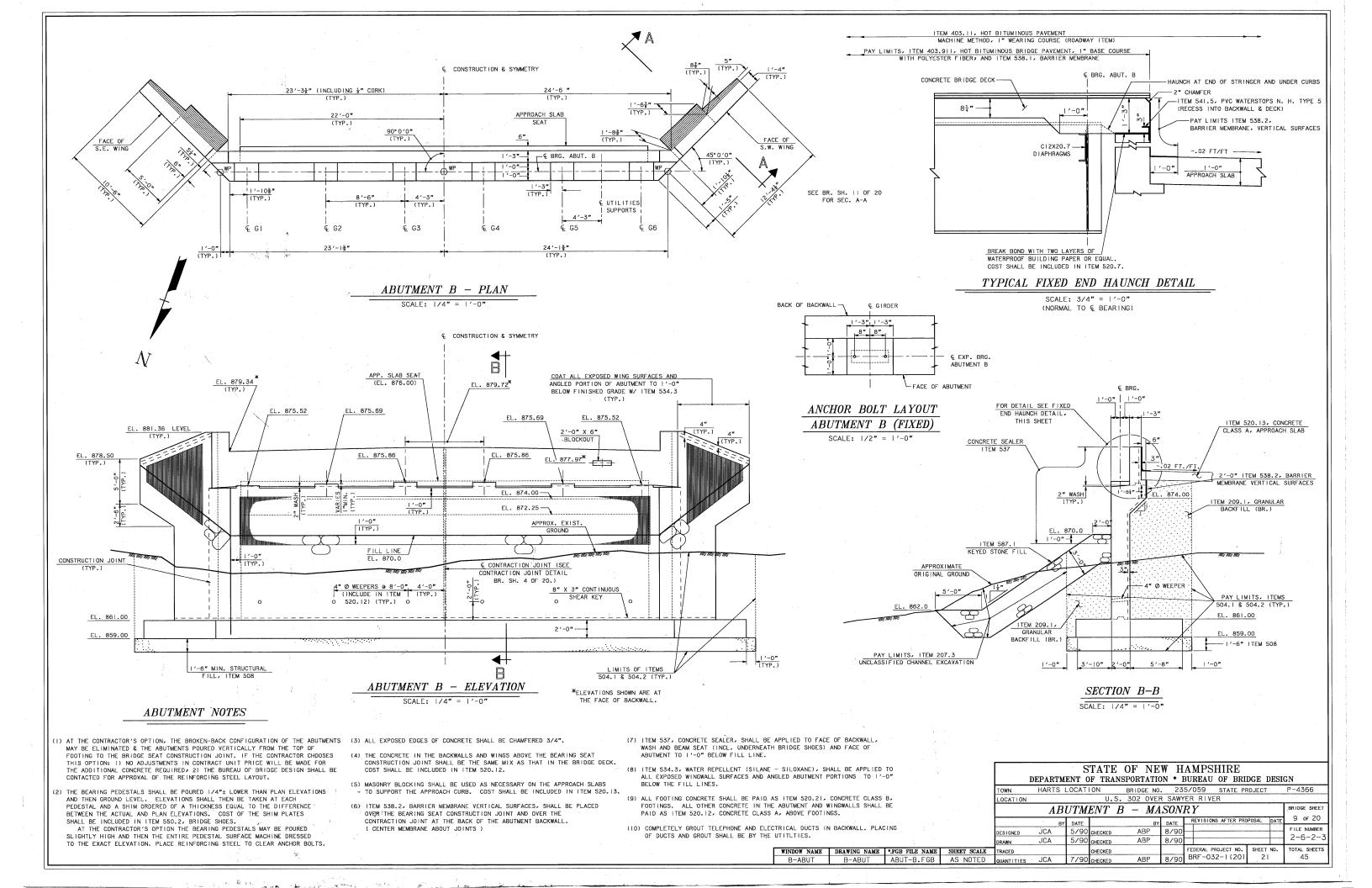


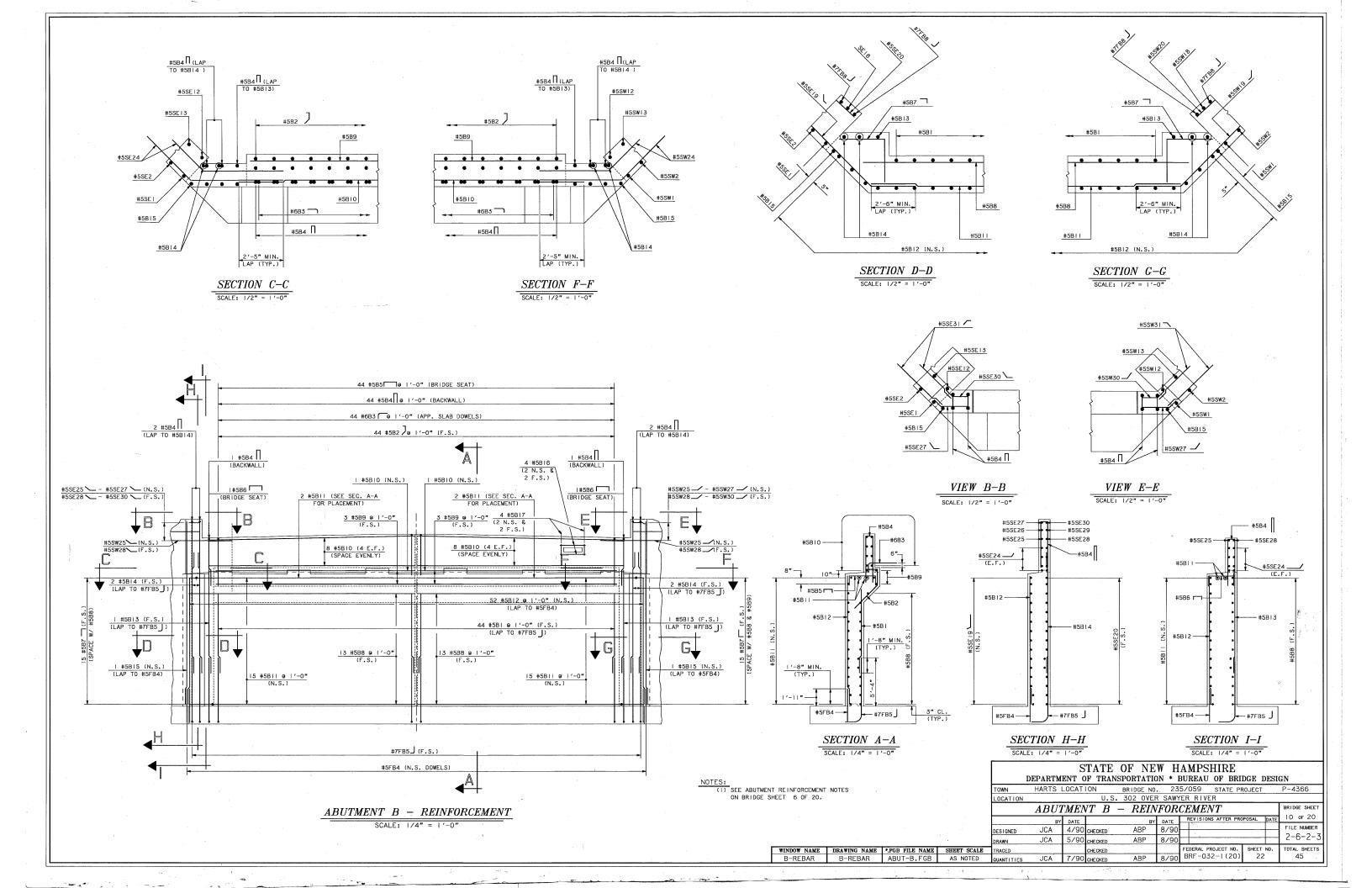


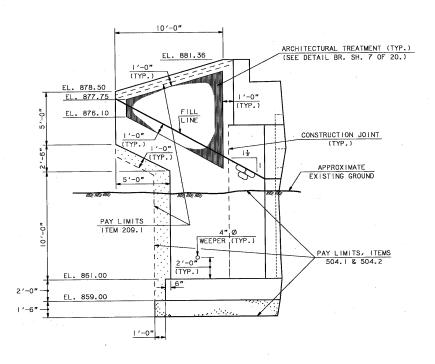






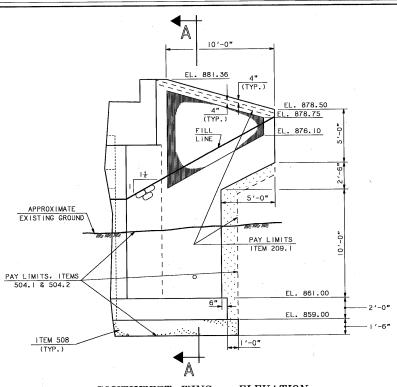




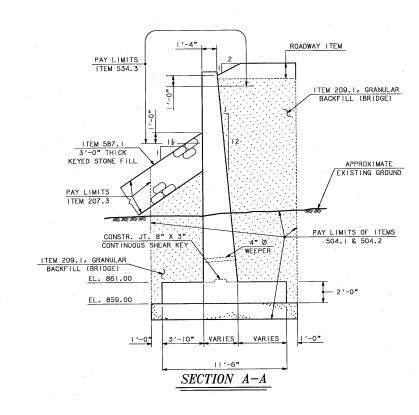


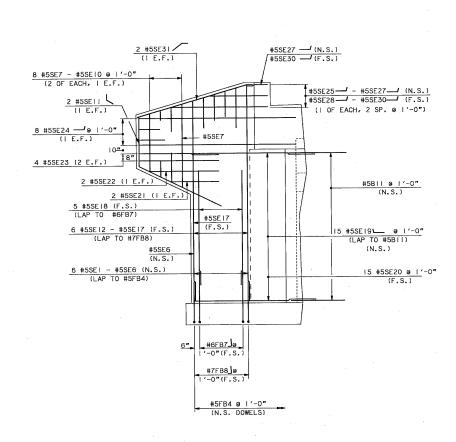
The same of the same of the same of

SOUTHEAST WING - ELEVATION

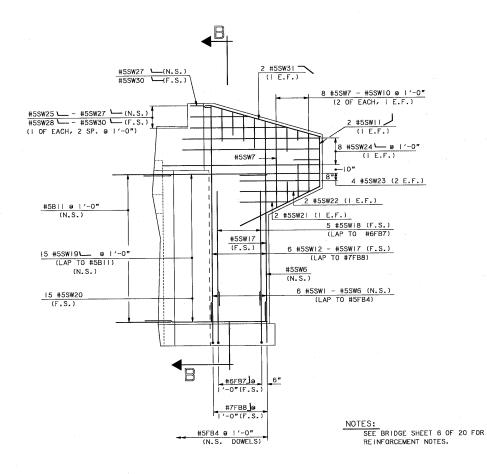


SOUTHWEST WING - ELEVATION





SOUTHEAST WING - REINFORCEMENT

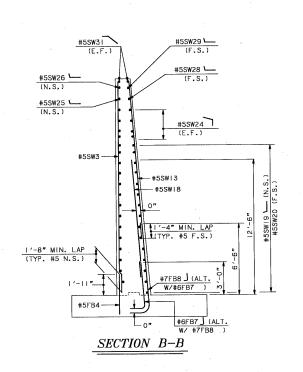


SOUTHWEST WING - REIN

NF	FORCEMEN'	<u>r</u>			DESTGNED DRAWN	JCA JCA	5/90	CHECKED	ABP ABP	8/90 8/90			2-6-2-3
				SCALE	TRACED			CHECKED	ABP	8/90	FEDERAL PROJECT NO. BRF-032-1 (20)	SHEET NO. 23	TOTAL SHEETS 45

TOWN

LOCATION



HARTS LOCATION

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION \* BUREAU OF BRIDGE DESIGN

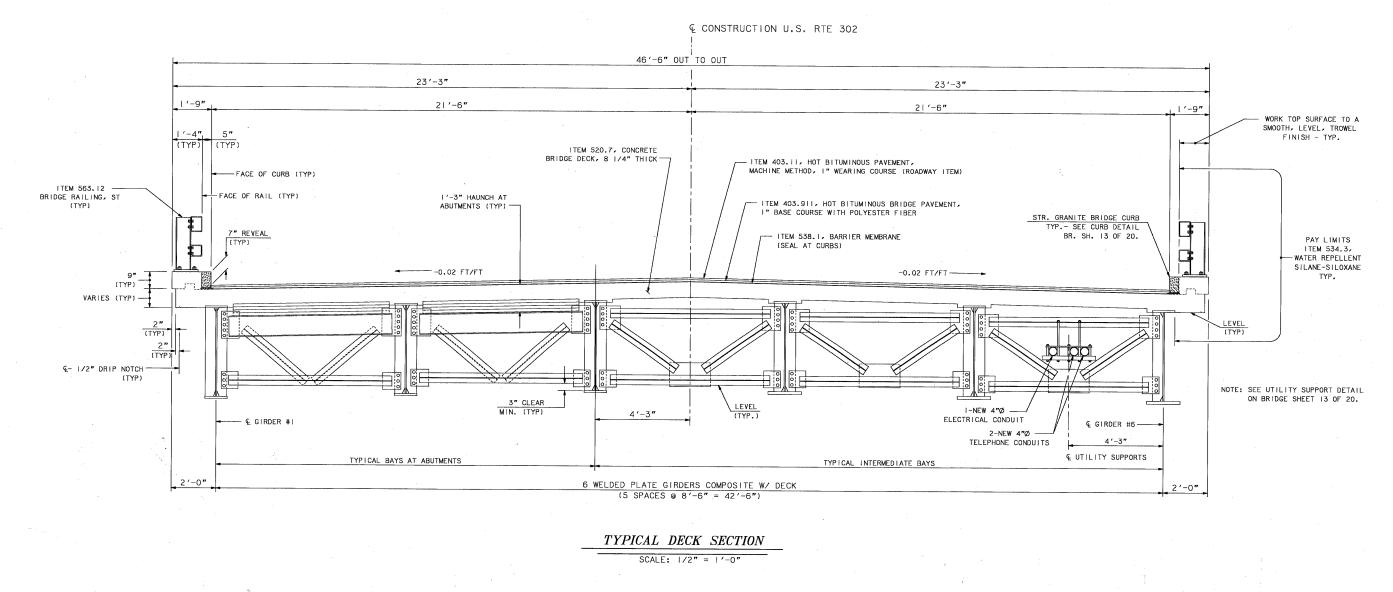
U.S. 302 OVER SAWYER RIVER

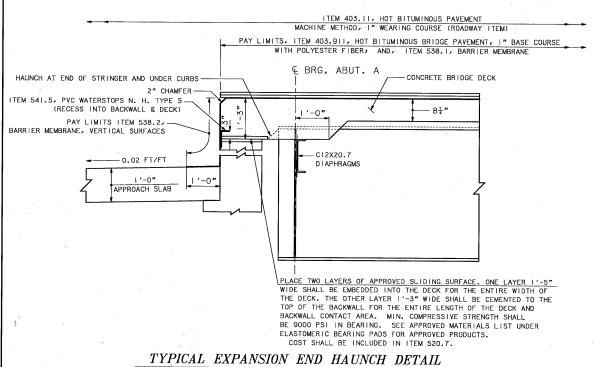
ABUTMENT B - WINGWALLS

BRIDGE NO. 235/059 STATE PROJECT

P-4366

11 of 20





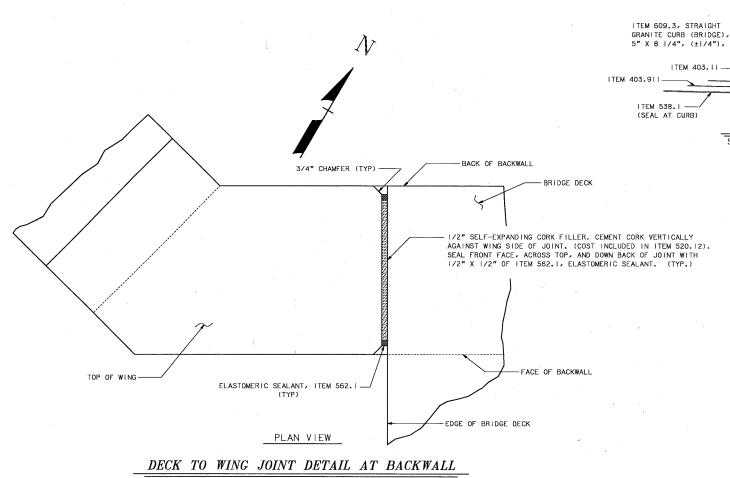
SCALE: 3/4" = 1'-0" (NORMAL TO € BEARING) ELEVATIONS IN TABLE ARE STRINGER GIVEN AT THIS POINT. BLOCKING DISTANCE ( 2.0" @ & BEARING)

	ELEVATIONS AT BOTTOM OF CONCRETE DECK SLAB													
GIRDER ABUT. A 0.1 L 0.2 L 0.3 L 0.4 L 0.5 L 0.6 L 0.7 L 0.8 L 0.9 L A											ABUT, B			
#1 -	881.68	881.59	881.49	881.37	881.23	881.06	880.88	880.67	880.45	880.21	879.95			
#2	881.85	881.76	881.66	881.54	881.40	881.23	881.05	880.84	880.62	880.38	880.12			
#3	882.02	881.93	881.83	881.71	881.57	881.40	881.22	881,01	880.79	880.55	880.29			
#4	882.02	881.93	881.83	881.71	881.57	881.40	881.22	881.01	880.79	880.55	880.29			
#5	881.85	881.76	881.66	881.54	881.40	881.23	881.05	880.84	880.62	880.38	880.12			
#6	881.68	881.59	881.49	881.37	881.23	881.06	880.88	880.67	880.45	880.21	879.95			
										-				

### DECK ELEVATION NOTES

- (1) AFTER THE STRUCTURAL STEEL IS ERECTED BUT BEFORE THE DECK FORMS ARE BUILT, ELEVATIONS ON THE TOP FLANCE OF THE GIRDERS ARE TO BE
  OBTAINED AT THE POINTS INDICATED IN THE TABLE. THE DIFFERENCE BETWEEN THE ELEVATIONS OBTAINED AND THOSE SHOWN IN THE TABLE IS THE ACTUAL BLOCKING DISTANCE FROM THE TOP  $\mbox{\ensuremath{\mathbb{C}}}$  OF THE GIRDER TO THE BOTTOM OF THE DECK AT THE C OF THE GIRDER. SEE ELEVATION TABLE AND HAUNCH DETAIL ON THIS SHEET.
- (2) ELEVATIONS SHOWN IN THE TABLE ARE BOTTOM OF SLAB ELEVATIONS ADJUSTED FOR TOTAL DEAD LOAD DEFLECTION, WITH ALLOWANCE FOR DEFLECTION DUE TO GIRDER WEIGHT.

				J.		DEPARTM		TATE OF TRAN	OF NE SPORTATION		AMPSHIRE BUREAU OF BRI	DGE DESI	GN
				TOWN	HARTS I	OCAT	ION	BRIDGE NO	. 23	5/059 STATE PE	ROJECT,	P-4366	
NO.		13 OF 20 FOR	CHDEDSTRUCTURE		LOCATION			U.S	. 302 OVE	SAWY	ER RIVER		
SEE BR. SH. 13 OF 20 FOR SUPERSTRUCTURE NOTES AND QUANTITIES.							<b>DEC</b>	K SEC	CTION &	DE	TAILS		BRIDGE SHEET
						BY	DATE		BY	DATE	REVISIONS AFTER PRO	POSAL DATE	12 of 20
					DESIGNED	JCA	5/90	CHECKED	ABP	6/90			FILE NUMBER
					DRAWN	JCA -	5/90	CHECKED	ABP	6/90			2-6-2-3
	WINDOW NAME	DRAWING NAME	*.FGB FILE NAME	SHEET SCALE	TRACED			CHECKED			FEDERAL PROJECT NO.	SHEET NO.	TOTAL SHEETS
丄	DECKSECT	DECKSECT	STEEL-SUPER.FGB	AS NOTED	QUANTITIES	JCA	7/90	CHECKED	ABP	8/90	BRF-032-1(20)	24	45



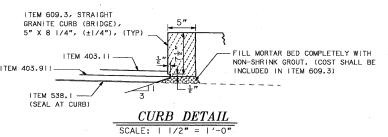
& BRG. ABUT. A (EXPANSION) ← BRG, ABUT, B (FIXED) € GIRDER #I-€ GIRDER #2-ANGLE OF CROSSING = 90°0'-0" (TYP.) € CONSTR. € GIRDER #3-€ GIRDER #4-W.P. STA. 305+03.00 STA. 305+98.00 % € GIRDER #5-- C UTILITIES € GIRDER #6 K-FRAME SPACING: 10 SPACES @ 9'-6" (UPSTREAM BAY)

5 SPACES @ 19'-0" (ALL OTHER BAYS) K-FRAMES (SEE THIS SHEET FOR DETAILS)

FRAMING PLAN

SCALE: 1/8" = 1'-0"

SCALE: 3" = 1'-0"



NOTE: CURB ANCHORS SHALL BE 1/4" Ø RODS,
TWO PER STONE, STAGGERED IN
ADJACENT STONES AND COUNTERSUNK.
(COST SHALL BE INCLUDED IN ITEM 609.3)

BACK OF BACKWALL,
EXP. ABUTMENT

CURB ANCHOR DETAIL

3/8" GUSSET PLATE (TYP.)

C12 X 20.7 (TYP)

(OPEN DOWNGRADE - TYP.

EXCEPT AT ABUT. B)

WT4X9

WT4X9

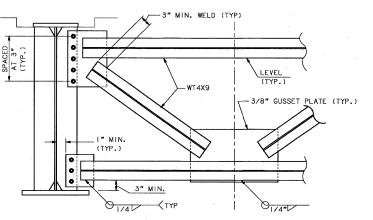
WT4X9

LEVEL

(TYP.)

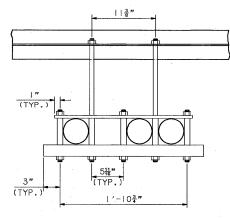
### K-FRAME CONNECTION DETAIL

(SECTION @ ABUTMENTS)
SCALE: | " = | '-0"



### K-FRAME CONNECTION DETAIL

(SECTION @ INTERMEDIATE SPAN)
SCALE: |" = |'-0"



UTILITY SUPPORT DETAIL

SCALE: | 1/2" = 1'-0"

 WINDOW NAME
 DRAWING NAME
 \*.FGB FILE NAME
 SHEET SCALE
 TRACED

 DECKFRAM
 DECKFRAM
 STEEL-SUPER.FGB
 AS NOTED
 QUANTITIES

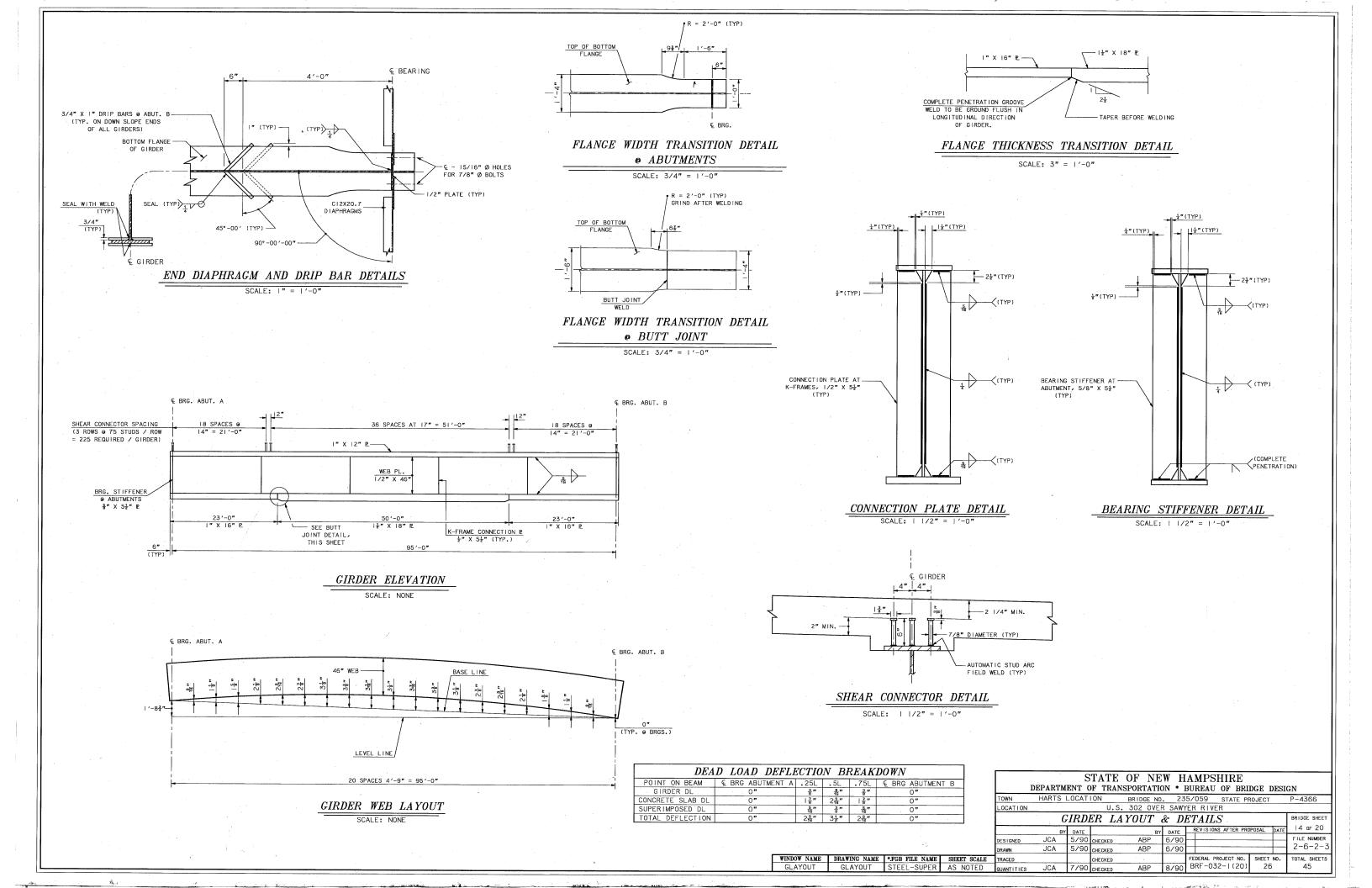
### SUPERSTRUCTURE NOTES

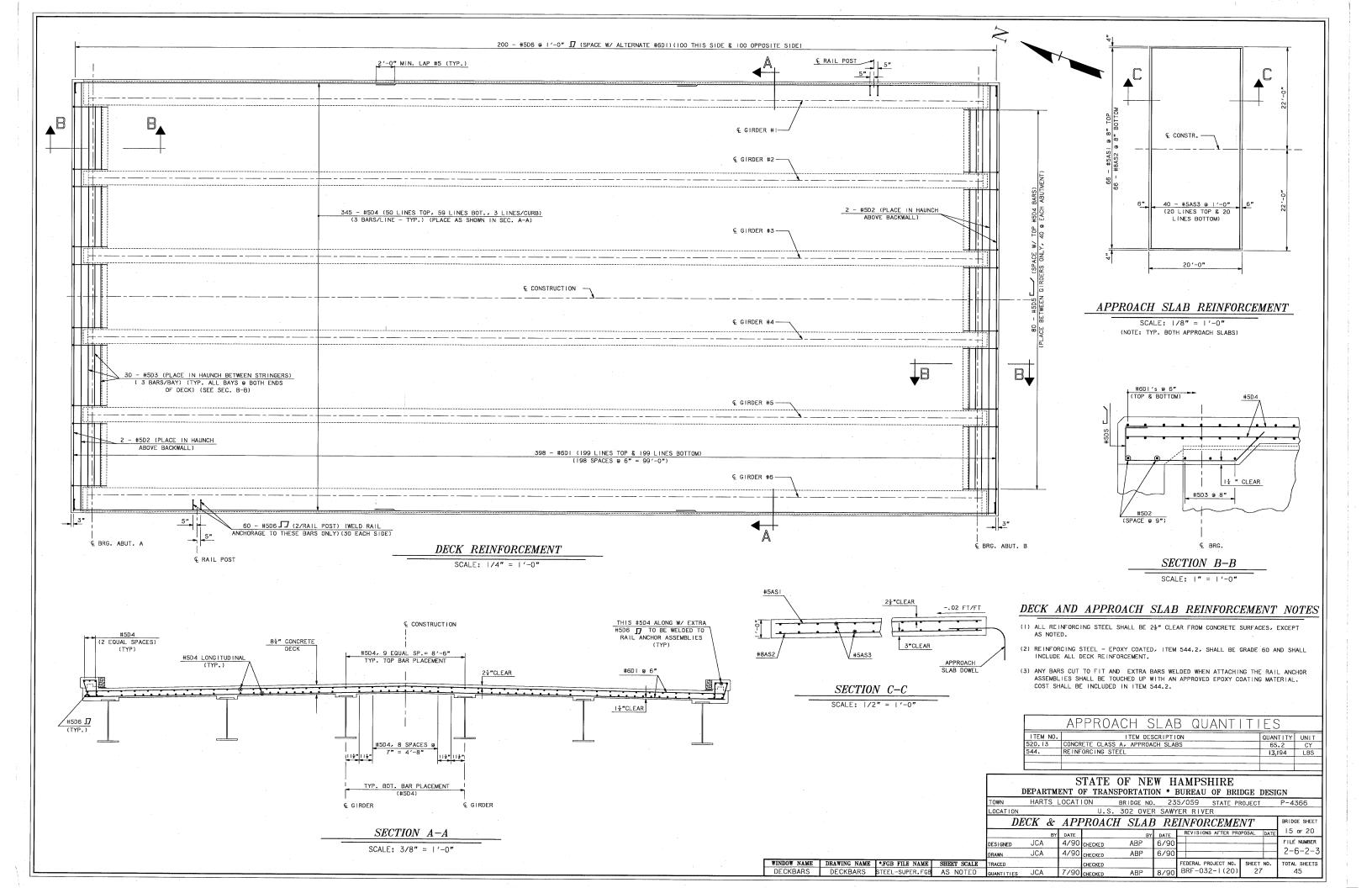
- (I) ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 50W (ASTM A709 GRADE 50W), UNPAINTED. PAY UNDER ITEM 550.I.
- (2) ALL FIELD CONNECTIONS SHALL BE MADE WITH 7/8" Ø HIGH STRENGTH BOLTS (ASTM A325 TYPE 3) IN 15/16" Ø HOLES.
- (3) THE STATE WILL SHOP INSPEST THE FABRICATION OF THE STRUCTURAL STEEL.
- (4) THE NOTCH TOUGHNESS REQUIREMENTS OF NHDOT STANDARD SPECIFICATIONS SHALL APPLY TO THE WEB AND BOTTOM FLANGES OF THE GIRDERS.
- (5) THE STRUCTURAL STEEL FABRICATOR SHALL ARRANGE FOR NON-DESTRUCTIVE TESTING OF WELDS. COST INCLUDED IN ITEM 550.1.
- (6) THE ENDS OF ALL GIRDERS, BEARING STIFFENERS, AND DIAPHRAGMS AT THE  $\mbox{\ensuremath{\upoline{C}}}$  OF ABUTMENTS SHALL BE VERTICAL AFTER FULL DEAD LOAD DEFLECTION.
- (7) ANY SHOP OR FIELD WELDING OF ATTACHMENTS TO GIRDER FLANGES FOR CONSTRUCTION PURPOSES SHALL NOT BE PERMITTED. EXCEPT AS APPROVED BY THE BUREAU OF BRIDGE DESIGN.
- (8) ALL SHEAR CONNECTORS SHALL BE FIELD STUD ARC WELDED TO THE TOP FLANGE.
- (9) GIRDERS SHALL BE CAMBERED FOR FULL DEAD LOAD DEFLECTION. THE CAMBER SHALL BE ACHIEVED BY CUTTING THE WEB PLATE ACCORDING TO THE DIMENSIONS SHOWN ON BRIDGE SHEET 14 OF 20.
- (10) THE GRAVITY AXIS OF K-FRAME MEMBERS SHALL INTERSECT AS NEARLY AS PRACTICABLE AT THE & OF THE GIRDER. K-FRAME MEMBERS SHALL BE SHOP WELDED TO THE GUSSET PLATES.
- (11) THE LOCATION OF WEB AND FLANGE SHOP SPLICES SHALL BE SUBJECT TO THE APPROVAL OF THE BUREAU OF BRIDGE DESIGN. WEB SPLICES SHALL BE AT LEAST 1'-O" FROM FLANGE SPLICES AND/OR TRANSVERSE CONNECTION PLATES.
- (12) THE CONTRACTOR SHALL SUBMIT DRAWINGS SHOWING THE METHOD OF FIELD ERECTION. THESE DRAWINGS SHALL BE APPROVED BEFORE ERECTION STARTS.

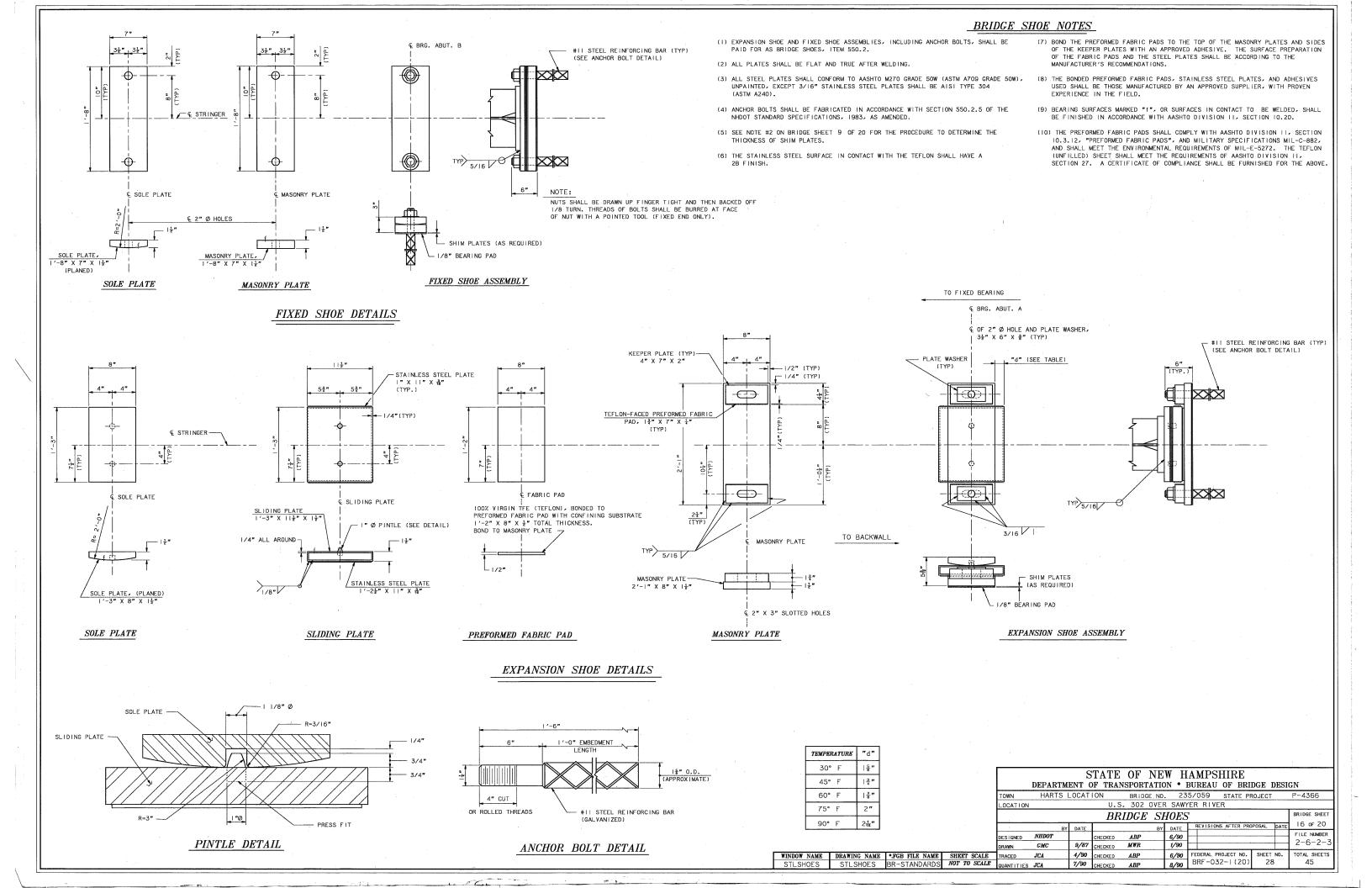
	<u>Superstructure quantit</u>	IES	
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT
403.911	HOT BITUMINOUS BRIDGE PAVEMENT, I" BASE COURSE	1 2 F	
	WITH POLYESTER FIBER	27	TON
520.7	CONCRETE BRIDGE DECK (EST. 135 CY)	. 1	U
534.3	WATER REPELLENT (SILANE - SILOXANE)	8	GAL
538.1	BARRIER MEMBRANE	476	SY
541.5	PVC WATERSTOPS, NH TYPE 5	93	LF
544.2	REINFORCING STEEL-EPOXY COATED	41,611	LB
547.	SHEAR CONNECTORS (1,350 TOTAL)	1	Ü
550.I	STRUCTURAL STEEL (EST. 132,000 LBS.)	I	U
550.2	BRIDGE SHOES	. 1	C
563.12	BRIDGE RAILING ST	199	LF
609.3	STRAIGHT GRANITE CURB (BRIDGE)	199	LF
562.1	ELASTOMERIC SEALANT	65	CI

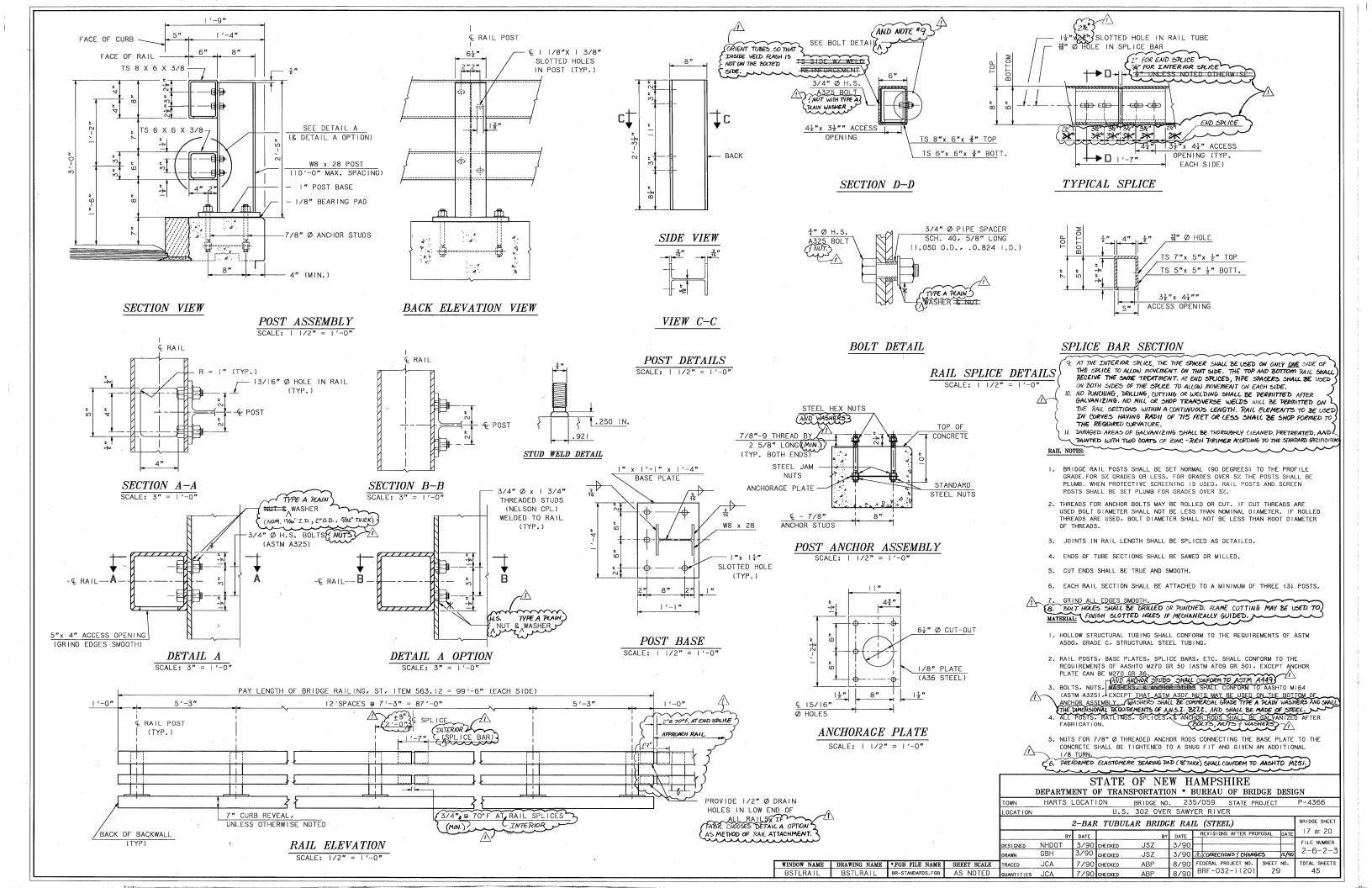
	STATE	OF NEW	HAMPSI	HIRE	
	DEPARTMENT OF TRANS	SPORTATION	* BUREAU	OF BRIDGE DESI	GN
	HARTS LOCATION	BRIDGE NO.	235/059	STATE PROJECT	P-4366
ION	U.S.	302 OVER S	SAWYER RIVE	R	
	FRAMING	PLAN &	DETAIL	S	BRIDGE SHEET

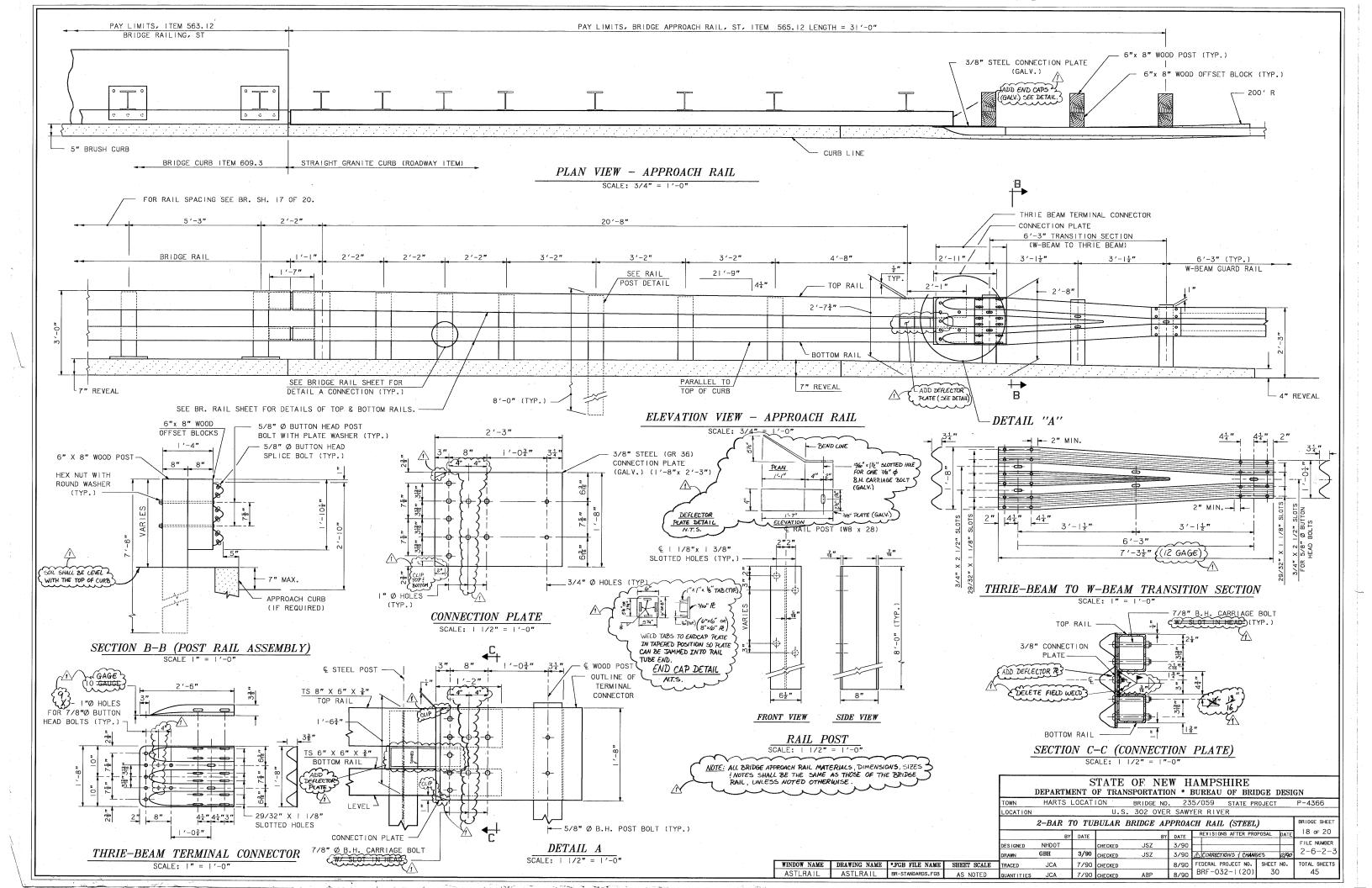
2001111011											
		FRA	MING	PLAN	& L	DETAILS	-		BRIDGE SHEET		
	BY	DATE		BY	DATE	REVISIONS AFTER PR	OPOSAL	DATE	13 of 20		
DESIGNED	JCA	3/90	CHECKED	ABP	6/90			_	FILE NUMBER		
DRAWN	JCA	5/90	CHECKED	ABP	6/90				2-6-2-3		
TRACED			CHECKED			FEDERAL PROJECT NO.	SHEET		TOTAL SHEETS		
QUANTITIES	JCA	7/90	CHECKED	ABP	8/90	BRF-032-1 (20)	25		45		

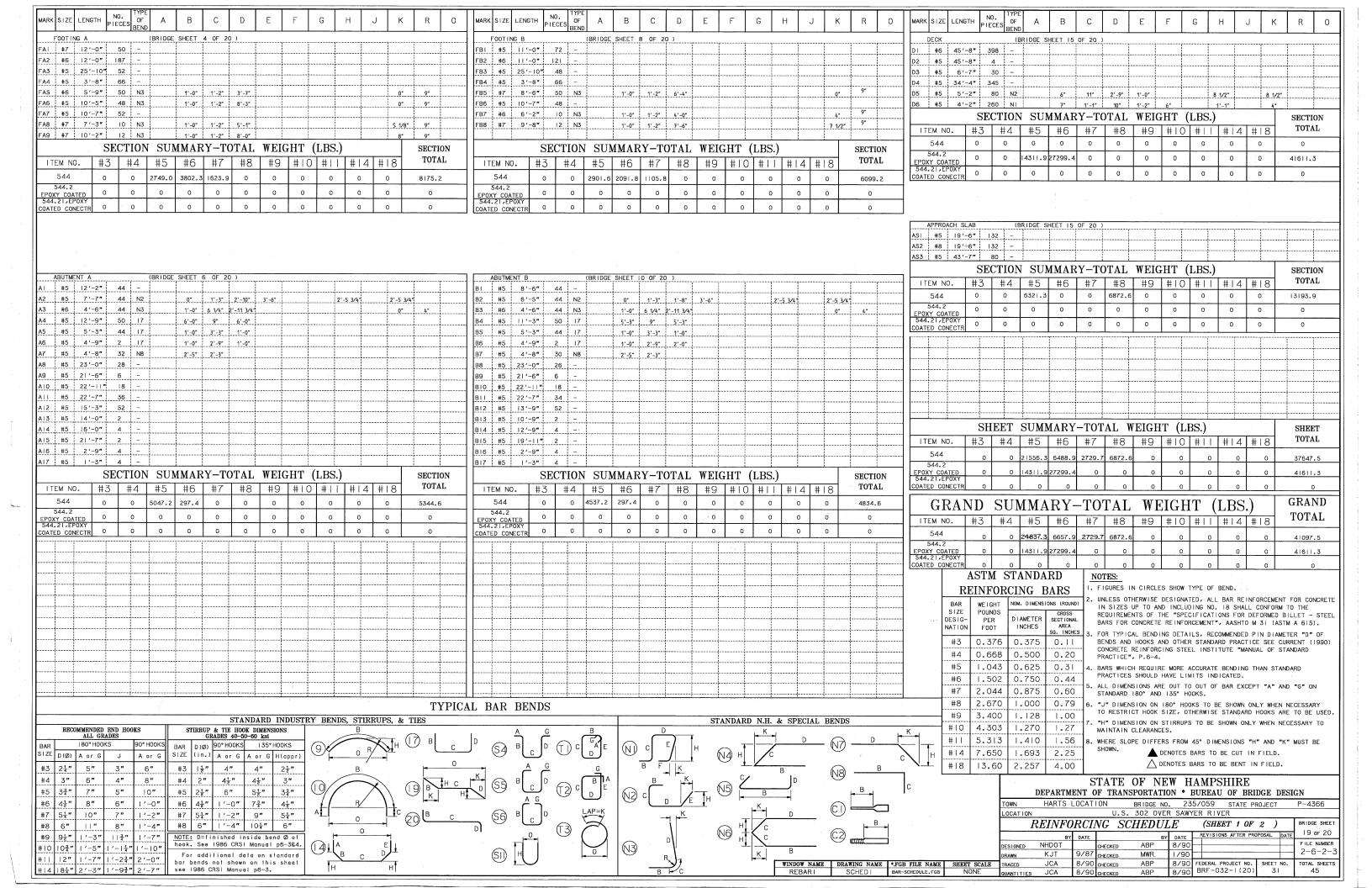












MARK SIZE LENG	IGTH NO.	TYPE A	В	С	) E	F	G	Н		к	R O	MARK SIZE	LENGTH	NO. TYP	PE A	В	С	D	E F	G	н	J K	R	О М.	IARK SIZ	ZE LENGTI	H NO.	TYPE S OF A B BEND	C D	E	FG	;   н	J K	R 0
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NW3 #5 21'			-									SW3 #5 SW4 #5				++																		
NW5 #5 20'		-						-				1	18'-10"																İ					
NW6 #5 20'		-	-										18'-6"															ļļ.						
NW7 #5 7'-	-10" 2 '-1" 2						<del>  </del>				<del>-</del>		7′-10 <b>″</b> 7′-0 <b>″</b>			<del> </del>													ļ					
NW9 #5 6'		-	-				<u> </u>					SW9 #5				†												· · · · · · · · · · · · · · · · · · ·	<del>  </del>					
NW10 #5 5'	′-6″ 2						ļļ					SW10 #5						1																
NW11 #5 12'				8'-3" 4'	-8"		ļ	7'-4 1/2"		3'-8 1/4"			12′-11 <b>"</b> 15′-2 <b>"</b>			-  -	8′-3″	4′-8″			7'-4 1/2"	3′-8 3/	/4						- <del></del>					
NW12 #5 16'		-					-					SW12 #5	7			††				+									<del></del>					
NW14 #5 15'	′-10 <b>″</b> 1	-					ļļ					SW14 #5	14'-7"	1 -		ļ													ļ					
NW15 #5 15'									<del> </del>			SW15 #5 SW16 #5	14'-4"			<del></del>													<del></del>					
NW16 #5 15'		-			.		-	 				SW17 #5				<del> </del>													ļ					
NW18 #6 11'									1				10'-10"																					
NW19 #5 10'		N7		2'-5" 8'	-6"		ļļ	1'-8 1/2'	ļļ	1'-8 1/2"		SW19 #5	+			ļ	2'-5"	8'-6"		4	1′-8 1/2′	1′-8 1⁄	/2"					<del>   </del>						
NW20 #5 5'							<del>  </del>	ļ	<del> </del>			SW20 #5 SW21 #5	4			<del> </del>				+								<del>                                     </del>	<del> </del>		<del>-</del>			
NW21 #5 4		-	<u> </u>					ļ			1	1	6'-6"			1 1	<del> </del>												<u> </u>					<del></del>
NW23 #5 7'	′-6″ 2						ļI					SW23 #5	7′-6 <b>"</b>	4 –					->										ļ <u>ļ</u>					
NW24 #5 15' NW25 #5 12'				4'-6" 10' 4'-6" 7'	· · · · · · · · · · · · · · · · · · ·			3'-2 1/8"		3'-2 1/8"		SW24 #5 SW25 #5					4'-6" 1 4'-6"			i i	3'-2 1/8"	3'-2 1/												
NW26 #5 5'	′-3″	N7		1'-5" 3'-			1	3′-2 1/8° 1′-0″		3'-2 1/8" 1'-0"			5'-3"			<u> </u>	4'-6" i 1'-5" i				3'-2 1/8" 1'-0"	3'-2 1/ 1'-0"		<u> </u>					<u> </u>					<u> </u>
NW27 #5 2'	′-3″   1	N7		1'-5" 1	0"			1′-0″		1'-0"		SW27 #5	2′-3″	l N7	7	ļI	1′-5″	10"			1′-0″	1′-0″	·					1						
NW28 #5 8'		N7		1'-0" 7' 1'-0" 3'			1 1	8 1/2" 8 1/2"	1 1	8 1/2"		SW28 #5 SW29 #5	8'-6" 4'-8"			<del> </del>	1'-0" 1'-0"				8 1/2" 8 1/2"	8 1/2" 8 1/2"						+	<del> </del>		<u> </u>			
	′-7 <b>"</b>			1'-0" 7			1 .	8 1/2"	1 1	8 1/2" 8 1/2"		SW30 #5	1			11	1'-0"				8 1/2"	8 1/2			t									<del>- </del>
NW31 #5 10'				9" 10"	-1"			2 1/4"	1 !	8 3/4"		SW31 #5					9" 1	0'-1"			2 1/4"	8 3/4"												
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NE2 #5 21/ NE3 #5 21/ NE4 #5 20/ NE5 #5 20/ NE6 #5 20/ NE7 #5 7/ NE8 #5 7/ NE9 #5 6/ NE10 #5 5/ NE11 #5 12/ NE12 #5 16/ NE13 #5 16/ NE14 #5 15/ NE15 #5 15/ NE16 #5 15/ NE17 #5 15/ NE18 #6 11/ NE19 #5 10/ NE20 #5 5/ NE21 #5 4/ NE22 #5 6/ NE24 #5 15/ NE24 #5 15/ NE24 #5 15/ NE24 #5 15/	'-6"   1 '-3"   1 '-0"   1 '-9"   1 '-6"   1  -10"   2 '-4"   2 '-4"   1 '-1"   2 '-4"   1 '-1"   1 '-7"   1 '-3"   5 '-11"   16 '-6"   2 '-6"   2 '-6"   2 '-6"   2 '-6"   2 '-6"   2 '-6"   2 '-6"   2 '-6"   2 '-6"   2 '-6"   2 '-6"   2 '-6"   3 '-0"   8 '-2"   1 '-3"   1		SHEET 7 C	8'-3" 4' 2'-5" 8' 4'-6" 10' 4'-6" 7' 1'-5" 3'- 1'-5" 1	-6" -6" -6" -6" -6" -6" -6" -6" -6" -6"			1'- 8 1/2' 3'-2 1/8' 3'-2 1/8' 1'-0'		1'-8 1/2' 3'-2 1/8' 3'-2 1/8' 1'-0' 1'-0'		SE1 #5 SE2 #5 SE3 #5 SE4 #5 SE5 #5 SE6 #5 SE7 #5 SE8 #5 SE9 #5 SE10 #5 SE11 #5 SE12 #5 SE13 #5 SE14 #5 SE15 #5 SE16 #5 SE17 #5 SE18 #5 SE19 #5 SE20 #5 SE21 #5 SE22 #5 SE22 #5 SE22 #5 SE22 #5 SE22 #5 SE24 #5 SE24 #5 SE25 #5 SE26 #6	19'-  "   19'-8"   19'-5"   19'-1"   18'-10"   18'-6"   7'-10"   7'-0"   12'-11"   14'-7"   14'-4"   14'-1"   13'-9"   10'-10"   5'-1"   4'-6"   6'-6"   7'-6"   15'-0"   12'-2"   5'-3"   2'-3"		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		8'-3" 2'-5" 4'-6" 1'-5" 1'-5"	8'-6" 0'-6" 7'-8" '-10"			1'-8.1/2' 3'-2.1/8' 3'-2.1/8' 1'-0' 1'-0'	3'-2.1/ 3'-2.1/ 1'-0" 1'-0"	723		544 544 EPOXY C 544.21	4 .2 COATED ,EPOXY		#4 #5 #6	#7 #				4 # 18	<b>TOTAL</b> 3450.0
NE2 #5 21/ NE3 #5 21/ NE4 #5 20/ NE6 #5 20/ NE7 #5 7/- NE8 #5 7/ NE9 #5 6/ NE10 #5 5/ NE11 #5 12/ NE12 #5 16/ NE13 #5 16/ NE14 #5 15/ NE15 #5 15/ NE16 #5 15/ NE17 #5 15/ NE18 #6 11/ NE19 #5 10/ NE20 #5 5/ NE21 #5 4/ NE22 #5 6/ NE22 #5 6/ NE23 #5 7/ NE24 #5 15/ NE25 #5 12/ NE26 #5 5/ NE27 #5 2/ NE28 #5 8/ NE28 #5 8/ NE29 #5 4/	'-6"   1 '-3"   1 '-9"   1 '-9"   1 '-6"   2 '-1"   2 '-4"   2 '-4"   1 '-1"   1 '-10"   1 '-1"   1 '-10"   1 '-7"   1 '-3"   1 '-0"   1 '-3"   5 '-11"   16 '-6"   2 '-6"   2 '-6"   2 '-6"   2 '-6"   2 '-6"   2 '-6"   2 '-6"   3 '-2"   1 '-3"   1 '-3"   1 '-3"   1		SHEET 7 C	8'-3" 4' 2'-5" 8' 4'-6" 10' 4'-6" 7' 1'-5" 3' 1'-0' 7' 1'-0' 3'	-6" -6" -6" -6" -6" -6" -6" -6" -6" -6"			1'- 8 1/2' 3'-2 1/8' 3'-2 1/8' 1'-0' 1'-0' 9 1/2' 8 1/2'		1'-8 1/2' 3'-2 1/8' 3'-2 1/8' 1'-0' 1'-0' 8 1/2' 8 1/2'		SE1 #5 SE2 #5 SE3 #5 SE4 #5 SE5 #5 SE6 #5 SE7 #5 SE8 #5 SE10 #5 SE10 #5 SE11 #5 SE12 #5 SE14 #5 SE15 #5 SE16 #5 SE17 #5 SE18 #5 SE19 #5 SE20 #5 SE21 #5 SE22 #5 SE22 #5 SE23 #5 SE24 #5 SE25 #5 SE26 #5 SE27 #5 SE26 #5 SE27 #5 SE26 #5 SE27 #5	19'-  "   19'-8"   19'-5"   19'-1"   18'-10"   18'-6"   7'-10"   6'-4"   5'-6"   12'-11"   14'-7"   14'-4"   14'-1"   13'-9"   10'-10"   5'-1"   4'-6"   5'-6"   7'-6"   15'-2"   5'-3"   2'-3"   8'-6"		777777777777777777777777777777777777777		8'-9" 2'-5" 4'-6" 4'-6" 1'-5" 3	8'-6" 0'-6" 7'-8" -10" 10"			1'-8 1/2' 3'-2 1/8' 3'-2 1/8' 1'-0' 1'-0' 8 1/2' 8 1/2'	3'-2 1/ 3'-2 1/ 1'-0' 1'-0' 8 1/2' 8 1/2'	(B)		544 544 EPOXY C 544.21	4 .2 COATED		#4 #5 #6	#7 #	0 0 0 0	0 0	0 0	0 0 0	<b>TOTAL</b> 3450.0
NE2 #5 21/ NE3 #5 21/ NE4 #5 20/ NE6 #5 20/ NE7 #5 7/ NE8 #5 6/ NE10 #5 5/ NE11 #5 12/ NE12 #5 16/ NE13 #5 16/ NE14 #5 15/ NE15 #5 15/ NE16 #5 15/ NE17 #5 15/ NE18 #6 11/ NE19 #5 10/ NE20 #5 5/ NE21 #5 6/ NE22 #5 6/ NE23 #5 7/ NE28 #5 6/ NE23 #5 7/ NE28 #5 7/ NE24 #5 15/ NE25 #5 15/ NE26 #5 5/ NE27 #5 15/ NE26 #5 5/ NE27 #5 15/ NE28 #5 15/ NE29 #5 4/ NE30 #5 1/	'-6"   1   '-3"   1   '-3"   1   '-9"   1   '-9"   1   '-6"   1   -10"   2   '-1"   2   '-6"   1   -10"   1   '-1"   1   '-10"   1   '-7"   1   '-3"   5   '-11"   16   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   3   '-7"   1   '-3"   1   '-6"   1   '-3"   1   '-6"   1   '-3"   1   '-6"   1   '-6"   1   '-6"   1   '-6"   1   '-6"   1   '-6"   1   '-6"   1   '-6"   1   '-6"   1   '-6"   1   '-6"   1   '-6"   1   '-6"   1   '-6"   1   '-6"   1   '-6"   1   '-6"   1   '-6"   1   '-7"   1   '-6"   1   '-7"   1   '-6"   1   '-7"   1   '-6"   1   '-7"   1   '-6"   1   '-7"   1   '-6"   1   '-7"   1   '-6"   1   '-7"   1   '-6"   1   '-7"   1   '-6"   1   '-7"   1   '-6"   1   '-7"   1   '-6"   '-7"   1   '-6"   '-7"   1   '-7"   '-7"   1   '-7"   '-7"   1   '-7"		SHEET 7 C	8'-3" 4'  2'-5" 8'  4'-6' 10' 4'-6' 7' 1'-5' 3' 1'-0' 7' 1'-0' 7'	-6" -6" -10" -0" -6" -8" -8"			1'- 8 1/2' 3'-2 1/8' 3'-2 1/8' 1'-0" 1'-0" 9 1/2" 8 1/2" 8 1/2"		1'-8 1/2' 3'-2 1/8' 3'-2 1/8' 1'-0' 1'-0' 8 1/2' 8 1/2' 8 1/2'		SE1 #5 SE2 #5 SE3 #5 SE4 #5 SE5 #5 SE6 #5 SE7 #5 SE8 #5 SE10 #5 SE11 #5 SE12 #5 SE13 #5 SE14 #5 SE15 #5 SE16 #5 SE17 #5 SE18 #5 SE19 #5 SE19 #5 SE11 #5 SE12 #5 SE21 #5 SE22 #5 SE22 #5 SE23 #5 SE24 #5 SE25 #5 SE26 #5 SE27 #5 SE26 #5 SE27 #5 SE28 #5 SE27 #5 SE28 #5 SE29 #5 SE29 #5 SE29 #5 SE29 #5 SE29 #5	19'-  "   19'-8"   19'-5"   19'-1"   18'-10"   18'-6"   7'-10"   5'-6"   12'-11"   14'-7"   14'-4"   14'-1"   13'-9"   10'-10"   5'-1"   4'-6"   6'-6"   7'-6"   15'-2"   5'-3"   8'-6"   4'-8"   1'-7"		7		8'-3" 2'-5" 4'-6" 1'-5" 1'-0" 1'-0"	8'-6" 0'-6" 7'-8" '-10" 10' 7'-6" 3'-8" 7"			1'-8 1/2' 3'-2 1/8' 3'-2 1/8' 1'-0' 1'-0' 8 1/2' 8 1/2' 8 1/2'	3'-2 1/ 3'-2 1/ 1'-0' 1'-0' 8 1/2' 8 1/2' 8 1/2' 8 1/2'	(B)		544 544 EPOXY C 544.21	4 .2 COATED ,EPOXY		#4 #5 #6 0 3281.0 169 0 0 0 0	#7 #	8 #9 0 0 0 0 E OF N	#10 = 0 0 0 NEW HA	#     #   0 0 0 0 AMPSHI	0 0 0 0 0 0 RE	3450.0 0 0
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NE2 #5 21/ NE3 #5 21/ NE4 #5 21/ NE5 #5 20/ NE6 #5 20/ NE7 #5 7/ NE8 #5 7/ NE9 #5 6/ NE10 #5 5/ NE11 #5 12/ NE12 #5 16/ NE13 #5 15/ NE16 #5 5/ NE17 #5 15/ NE18 #6 11/ NE19 #5 10/ NE20 #5 5/ NE21 #5 16/ NE22 #5 6/ NE23 #5 7/ NE24 #5 15/ NE25 #5 15/ NE26 #5 5/ NE27 #5 16/ NE27 #5 15/ NE28 #5 16/ NE28 #5 16/ NE29 #5 6/ NE29 #5 16/ NE28 #5 16/ NE29 #5 16/ NE30 #5 1/ NE30 #5 1/ NE31 #5 10/	'-6"   1   '-3"   1   '-3"   1   '-9"   1   '-9"   1   '-6"   1   -10"   2   '-1"   2   '-4"   1   '-10"   1   '-7"   1   '-3"   5   '-11"   16   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-6"   2   '-7"   1   '-7"   '-7"   1   '-7"   '-7"   1   '-7"		MMAR #6 84.5	8'-3" 4'  2'-5" 8'  4'-6" 19' 4'-6" 7' 1'-5" 3' 1'-0' 7' 9" 10'  Y—TOT.  #7	-6" -6" -6" -6" -6" -6" -6" -6" -6" -6"	9 #1	(LBS O # 1	3'-2 1/8' 3'-2 1/8' 3'-2 1/8' 3'-2 1/8' 3'-2 1/8' 5.)  #	4 #1	1'-8 1/2' 3'-2 1/8' 3'-2 1/8' 1'-0' 8 1/2' 8 1/2' 8 3/4' 8	TOTAL 886.8	SE1 #5 SE2 #5 SE3 #5 SE4 #5 SE5 #5 SE6 #5 SE7 #5 SE8 #5 SE10 #5 SE10 #5 SE11 #5 SE12 #5 SE14 #5 SE15 #5 SE16 #5 SE17 #5 SE18 #5 SE19 #5 SE20 #5 SE21 #5 SE22 #5 SE22 #5 SE23 #5 SE24 #5 SE24 #5 SE25 #5 SE26 #5 SE27 #5 SE28 #5 SE27 #5 SE28 #5 SE29 #5 SE29 #5 SE30 #5 SE31 #5 SE31 #5 SE31 #5	19'-  "   19'-8"   19'-5"   19'-1"   18'-10"   18'-6"   7'-10"   6'-4"   12'-11"   14'-7"   14'-4"   14'-1"   13'-9"   10'-10"   5'-6"   7'-6"   15'-2"   5'-3"   2'-3"   8'-6"   4'-8"   1'-7"   10'-10"   8		77 77 77 77 77 77 77 77 77 77 77 838.2	MMAR* #6	8'-3"  2'-5"  4'-6"  1'-5"  1'-0"  1'-0"  Y-TO'	8'-6"  8'-6"  7'-8"  10"  10"  7'-6"  3'-8"  7"  YAL V	#9 #	C (LBS	3'-2 1/8 3'-2 1/8 3'-2 1/8 3'-2 1/8 1'-0' 1'-0' 8 1/2' 8 1/2' 8 1/2' 2 1/4' )	3'-2 1/ 3'-2 1/ 1'-0' 1'-0' 8 1/2' 8 1/2' 8 3/4"	SECTION TOTAL	1	544 544 EPOXY C 544.21	4 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2	#3  0  0  0  0  W NAME BAR2  G NAME	#4 #5 #6  0 3281.0 169  0 0 0 0  0 DEPARTM  TOWN HARTS I  LOCATION  REINFO  BY  DESIGNED NHDOT	#7 #.  0  0  STATI ENT OF TRA  OCATION  U.  PRCING	8 #9 0 0 0 0 0 0 E OF N ANSPORTA' BRIDGE S. 302 0V SCHEDU	#   0   0   0   0   0   0   0   0   0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O O O O O O O O O O O O O O O O O O O	TOTAL  3450.0  0  0  0  0  0  0  0  0  0  0  0  0
NE2 #5 21/ NE3 #5 21/ NE4 #5 21/ NE5 #5 20/ NE6 #5 20/ NE7 #5 7/ NE8 #5 7/ NE9 #5 6/ NE10 #5 5/ NE11 #5 12/ NE12 #5 16/ NE13 #5 16/ NE14 #5 15/ NE15 #5 15/ NE18 #6 11/ NE19 #5 10/ NE20 #5 5/ NE21 #5 10/ NE22 #5 6/ NE22 #5 6/ NE23 #5 17/ NE24 #5 15/ NE22 #5 6/ NE23 #5 17/ NE24 #5 15/ NE24 #5 15/ NE24 #5 15/ NE25 #5 16/ NE28 #5 16/ NE28 #5 16/ NE29 #5 16/ NE29 #5 16/ NE20 #5 15/ NE21 #5 16/ NE21 #5 16/ NE22 #5 6/ NE23 #5 16/ NE23 #5 16/ NE24 #5 15/ NE25 #5 16/ NE25 #5 16/ NE26 #5 5/ NE27 #5 2/ NE28 #5 11/ NE30 #5 11/ NE31 #5 10/	'-6"   1 '-3"   1 '-9"   1 '-9"   1 '-6"   1  -10"   2 '-1"   2 '-4"   2 '-4"   1 '-1"   1 '-1"   1 '-10"   1 '-7"   1 '-3"   5 '-11"   16 '-6"   2 '-6"   2 '-6"   2 '-6"   1 '-6"   2 '-6"   2 '-6"   1 '-7"   1 '-7"   1 '-8"   1 '-7"   1 '-7"   1 '-8"   1 '-7"   1 '-10"   2 SECTI		MMAR #6 3 84.5	8'-3" 4' 2'-5" 8'  4'-6" 7' 1'-5" 3' 1'-0" 7' 9" 10' Y-TOT. #7 # 0	-6" -6" -6" -6" -6" -6" -6" -6" -6" -6"	9 #1	(LBS	3'-2 1/8' 3'-2 1/8' 3'-2 1/8' 3'-2 1/8' 1'-0' 8 1/2'' 8 1/2'' 2 1/4'' 5.)	4 #10	1'-8 1/2' 3'-2 1/8' 3'-2 1/8' 1'-0' 8 1/2' 8 1/2' 8 3/4' 8	TOTAL 886.8	SE   #5 SE2 #5 SE3 #5 SE4 #5 SE5 #5 SE6 #5 SE7 #5 SE8 #5 SE9 #5 SE10 #5 SE11 #5 SE12 #5 SE13 #5 SE14 #5 SE15 #5 SE16 #5 SE17 #5 SE18 #5 SE19 #5 SE20 #5 SE21 #5 SE22 #5 SE22 #5 SE24 #5 SE24 #5 SE25 #5 SE24 #5 SE25 #5 SE26 #5 SE27 #5 SE28 #5 SE29 #5 SE29 #5 SE30 #5 SE31 #5 SE31 #5 SE31 #5 SE31 #5 SE31 #5 SE34 #5 SE35 #5 SE36 #5 SE37 #5 SE38 #5 SE38 #5 SE39 #5 SE39 #5 SE30 #5 SE31 #5	19'-  "   19'-8"   19'-5"   19'-17"   18'-10"   18'-6"   7'-10"   5'-6"   12'-11"   14'-7"   14'-4"   13'-9"   10'-10"   5'-1"   4'-6"   6'-6"   7'-6"   12'-2"   5'-3"   8'-6"   4'-8"   1'-7"   0		7	MMAR' #6 0	8'-3"  2'-5"  4'-6" 1'-5" 1'-9" 1'-0" 1'-0" 9" Y-TO' #7	8'-6"  0'-6"  10' 10' 7'-6"  3'-6"  7' 0'-1"  TAL V	0 0	(LBS	1'-8, 1/2'  3'-2, 1/8' 3'-2, 1/8' 1'-0' 1'-0' 8, 1/2' 8, 1/2' 2, 1/4' )   #   4	3'-2.1/ 3'-2.1/ 1'-0' 1'-0' 8.1/2' 8.1/2' 8.3/4' #   8	22	1	544 544 EPOXY C 544.21	VINDOY REB DRAWIN SCH- FGB FI BAR-SCHE	#3  0  0  0  0  0  W NAME BAR2 IG NAME HED2 ILE NAME	#4 #5 #6  0 3281.0 169  0 0 0  0 DEPARTM  TOWN HARTS I LOCATION  REINFO  BY  DESIGNED NHDOT  DRAWN KJT	#7 #.  0  0  STATI ENT OF TRA  OCATION  U.  PRCING DATE CHECKED 9/87 CHECKED	8 #9 0 0 0 0 0 0 E OF N ANSPORTA BRIDGE S. 302 0V SCHEDU  ABP MWR	# 1 0   0   0   0   0   0   0   0   0   0	#     #    O O O O O O O O O O O O O O O O O O	O O O O O O O O O O O O O O O O O O O	TOTAL  3450.0  0  0  0  DESIGN  P-4366  BRIDGE SHE 20 of 20  FILE NUMBE 2-6-2-
NE2 #5 21/ NE3 #5 21/ NE4 #5 21/ NE5 #5 20/ NE6 #5 20/ NE7 #5 7/ NE9 #5 6/ NE10 #5 5/ NE11 #5 12/ NE12 #5 16/ NE13 #5 16/ NE14 #5 15/ NE15 #5 16/ NE16 #5 15/ NE18 #6 11/ NE18 #6 11/ NE18 #6 11/ NE22 #5 6/ NE21 #5 16/ NE22 #5 6/ NE22 #5 6/ NE23 #5 7/ NE24 #5 5/ NE24 #5 5/ NE27 #5 12/ NE28 #5 12/ NE28 #5 12/ NE28 #5 12/ NE28 #5 12/ NE29 #5 12/ NE28 #5 12/ NE29 #5 12/ NE29 #5 12/ NE29 #5 12/ NE21 #5 12/ NE21 #5 12/ NE23 #5 12/ NE24 #5 15/ NE25 #5 12/ NE25 #5 12/ NE26 #5 5/ NE27 #5 12/ NE30 #5 11/ NE31 #5 10/	'-6"   1 '-3"   1 '-9"   1 '-9"   1 '-6"   1  -10"   2 '-1"   2 '-4"   2 '-4"   1 '-1"   1 '-1"   1 '-10"   1 '-7"   1 '-3"   5 '-11"   16 '-6"   2 '-6"   2 '-6"   2 '-6"   1 '-6"   2 '-6"   2 '-6"   1 '-7"   1 '-7"   1 '-8"   1 '-7"   1 '-7"   1 '-8"   1 '-7"   1 '-10"   2 SECTI		MMAR #6 84.5	8'-3" 4'  2'-5" 8'  4'-6" 19' 4'-6" 7' 1'-5" 3' 1'-0' 7' 9" 10'  Y—TOT.  #7	-6" -6" -6" -6" -6" -6" -6" -6" -6" -6"	9 #1	(LBS	3'-2 1/8' 3'-2 1/8' 3'-2 1/8' 3'-2 1/8' 1'-0' 8 1/2'' 8 1/2'' 2 1/4'' 5.)	4 #10	1'-8 1/2' 3'-2 1/8' 3'-2 1/8' 1'-0' 8 1/2' 8 1/2' 8 3/4' 8	TOTAL 886.8	SE! #5 SE2 #5 SE3 #5 SE4 #5 SE5 #5 SE6 #5 SE7 #5 SE8 #5 SE9 #5 SE10 #5 SE11 #5 SE12 #5 SE13 #5 SE14 #5 SE15 #5 SE14 #5 SE15 #5 SE14 #5 SE15 #5 SE20 #5 SE21 #5 SE22 #5 SE22 #5 SE24 #5 SE24 #5 SE24 #5 SE25 #5 SE26 #5 SE27 #5 SE28 #5 SE29 #5 SE30 #5 SE30 #5 SE31 #5 SE31 #5 SE31 #5	19'-  "   19'-8"   19'-5"   19'-17"   18'-10"   18'-6"   7'-10"   5'-6"   12'-11"   14'-7"   14'-4"   13'-9"   10'-10"   5'-1"   4'-6"   6'-6"   7'-6"   12'-2"   5'-3"   8'-6"   4'-8"   1'-7"   0		77 77 77 77 77 77 77 77 77 77 77 838.2	MMAR* #6	8'-3"  2'-5"  4'-6" 1'-5" 1'-9" 1'-0" 1'-0" 4'-TOO	8'-6"  8'-6"  7'-8"  10"  10"  7'-6"  3'-8"  7"  YAL V	0 0	C (LBS	3'-2 1/8 3'-2 1/8 3'-2 1/8 3'-2 1/8 1'-0' 1'-0' 8 1/2' 8 1/2' 8 1/2' 2 1/4' )	3'-2 1/ 3'-2 1/ 1'-0' 1'-0' 8 1/2' 8 1/2' 8 3/4"	SECTION TOTAL	1	544 544 EPOXY C 544.21	4 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2	#3  0  0  0  0  W NAME BAR2 IG NAME HED2 ILLE NAME	#4 #5 #6  0 3281.0 169  0 0 0 0  DEPARTM TOWN HARTS I LOCATION  REINFO  DESIGNED NHDOT DRAWN KJT TRACED JCA	#7 #.  0  0  STATI ENT OF TRA  OCATION  U.  PRCING	8 #9 0 0 0 0 0 0 E OF N ANSPORTAT BRIDGE S. 302 0V SCHEDU D. ABP	# 1 0   0   0   0   0   0   1 / 90   8 / 90   9	0 0 0 AMPSHI UREAU 01 5/059 SI ER RIVER (SHEET	O O O O O O O O O O O O O O O O O O O	3450.0  0  0  0  0  0  0  0  0  0  0  0  0

